Lancaster Farming

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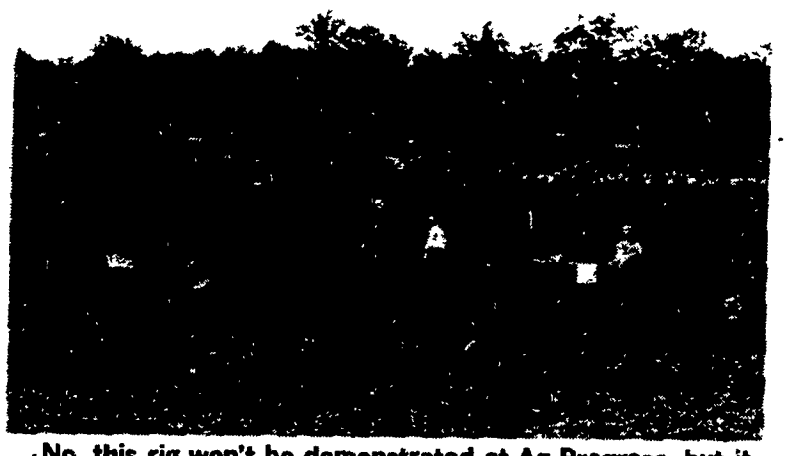
Penn State's Ag Progress Opens Tuesday



No, this rig won't be demonstrated at Ag Progress, but it contrasts with the $20 million in the latest ag technology that will be on display at Penn State. This antique furrow-turner was part of York County's plowing contests featured on pages A20-21.

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Plan to be there

AG PROGRESS — Crops in research plots that haven't been wilted or stunted beyond recognition, special guests, $20 million worth of machinery and equipment, some 300 exhibitors, and more than a score of special events and activities await the record crowd of 80,000 or more at Ag Progress Days at Penn State's Rock Springs Research Center Tuesday through Thursday.

Activities on Tuesday and Thursday begin at 9 a.m. and end at 5 p.m. Wednesday hours continue from 9 a.m. to 7 p.m.

Theme of Ag Progress, which is designed to illustrate

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Southcentral, Eastern Holstein champions crowned

With best three females of Southcentral Show are Cornman family, premier breeder and exhibitor, from the left, Creedin, Steve, Debbie, Clarence Jr., Annette and Ellen, with granddaughter, Becky.

Cornmans, Dums share top honors

BY BETH HEMMINGER
Staff Correspondent

CARLISLE — Creedin Cornman and family, also known as Justa Beauty Holsteins, went home from the Southcentral Championship Show last Saturday with several very happy faces and just as many top place ribbons and trophies to match.

The Cornman family garnered several top placings, including the first place three-year-old, first place best three females and captured the Reserve Senior and Reserve Grand Champion of the show.

However, what really brought the smiles when the announcement was made that Justa Beauty Holsteins won the Premier

(Turn to Page A34)

Rothrock 3-year-old wins 'the grand'

BY ROBIN PHILLIPS
Staff Correspondent

KUTZTOWN — A member of the prominent Rothrock herd, R1, Kempton, walked away with top honors last Saturday at the Eastern Pennsylvania Championship Holstein Show held at the Kutztown Fairgrounds.

"Down-Home Pete Sandy", a three-year-old, Straight-Pine Elevation Pete daughter, owned by Bruce L. Rothrock, dazzled judge, Jake Emig, of Shippensburg, with "the best legs... the best udder..." in the show, as she won the three-year-old class with the best udder, the Senior Championship, and then the Grand Championship over the aged cow, Woodedge Bootmaker Lady, owned by Keystone Farm, Easton.

This was not the first time "Sandy" caught the judge's eye. She was nominated All-American two year old in 1982, and also placed first in the two year old class in 1982 at the Eastern National.

Just fresh as a three year old, "Sandy" is currently milking 122 pounds a day and plans are to super-ovulate and flush her later this year. As a two-year-old, "Sandy" finished with 22,000 pounds of milk and was classified very good-88.

Reserve Championship honors went to the aged cow entry of the Donald Seipt Family, Keystone Farm, Easton. "Woodedge Bootmaker Lady" is a daughter of Placamar Bootmaker out of Woodege Marquis Ned Lucy. Described as "the epitome of dairyness", by the judge, "Lady" was also awarded Best Udder in her class.

Junior Championship honors went to the Ohlinger Family, R1, Mohrsville, Reu-Hel Farms, as the heifers owned by the two daughters of Elwood and Ruth Ohlinger took the nod for the Junior Championship and the Reserve Championship.

(Turn to Page A27)

Flanked by Montgomery, Northampton-Lehigh and Berks dairy princesses are Eastern Holstein reserve champion, left, with Donald Seipt, and grand champion with Jack Miller, Rothrock herd manager, and judge Jake Emig.

Livestock market and auction news

Lancaster Market

Monday, Aug. 15
Report Supplied By USDA

	Cattle	Calves	Hogs	Sheep
Today	1575	117	1215	384
Last Monday	1665	128	1069	236
Last Year	1144	144	880	164
Monday's Auction	1677	151	1229	374
Last Monday's Auction	1823	141	1156	222

CATTLE: Compared to last Monday slaughter steers weak to 50 lower, instances 75 lower; heifers steady to weak; cows steady to 50 lower, instances 1.00 lower; bullocks steady; bulls mostly steady. Supply included 69% slaughter steers, 12% heifers, 10% cows, and 9% bulls.

SLAUGHTER STEERS: High Choice and Prime 3-4 1150-1350 lb. 62.50-64.00, few lots 1000-1350 lb. 64.85-65.85; few Good and Choice 1-2 1125-1300 lb. 62.50-63.50; Choice 2-4 1000-1350 lb. 60.00-62.85, few 63.00-63.60; high Good and low Choice 2-3 875-1200 lb. 56.00-60.75; Good 2-3 55.00-58.50; Good and Choice 1200-1400 lb. Holsteins 51.85-55.25; few Standard 1-2 48.00-51.75.

SLAUGHTER HEIFERS: Choice 2-3 900-1170 lb. 54.85-59.50, few yield grade 2 59.50-60.25; few Choice 2-3 850-900 lb. 53.00-55.50; Good 2-3 850-1075 lb. 50.00-55.00.

COWS: Utility and Commercial 1-3 40.00-42.00, few 42.00-43.00, Cutter 1-2 38.00-40.50; Canner and low Cutter 34.00-37.00.

BULLOCKS: Choice 1050-1250 lb. 51.80-53.00, couple 56.25-58.25; Good 1000-1250 lb. 48.00-51.00.

BULLS: Yield grade 1 1850-2250 lb. 48.00-52.50, few 53.00-56.10; yield grade 2 1000-1350 lb. 44.75-49.00.

VEAL CALVES: Vealers weak to 5.00 lower; slaughter calves 5.00-10.00 lower. Demand fair for Holstein bulls to return to farm. Supply included one lot Prime special fed 300-325 lb. bought to arrive at 120.00.

VEALERS: High Choice and Prime 150-350 lb. 85.00-105.00; Choice 150-320 lb. 75.00-90.00; high Good and low Choice 150-280 lb. 55.00-75.00, 70-115 lb. 40.00-55.00.

SLAUGHTER CALVES: Good and Choice 200-500 lb. 45.00-55.00, few 55.00-60.00.

RETURNED TO FARM: Bulk 95-120 lb. Holstein bulls 63.00-80.00, few to 85.00.

SHEEP: Spring lambs fully steady, instances 5.00 higher on Good; slaughter ewes fully steady. Supply included around 100 goats, sold by the head.

SPRING LAMBS: Choice and Prime 85-110 lb. 56.00-60.00; Choice 75-100 lb. 50.00-56.00, few 45-65 lb. 55.00-65.00; Good 50-80 lb. 45.00-50.00.

SLAUGHTER EWES: Utility and Good 15.00-20.00, few 5.00-15.00.

GOATS: Bulk Billies and Nannies 35.00-50.00; few Kids 20.00-30.00.

Vintage Auction

Tuesday, Aug. 16
Report supplied by USDA

	Cattle	Calves	Sheep	Goats
Today	1683	938	27	1
Last Tuesday	1485	961	16	2
Last Year	963	881	38	13

CATTLE: Compared to last Tuesday high Choice and Prime slaughter steers steady to 50 lower. Choice 50-1.00 lower, instances 1.50 lower; slaughter heifers not tested; cows uneven, Cutter to Commercial 1.00-1.50 higher, Canner and low Cutter steady to firm; bullocks scarce; bulls 50-1.00 higher. Supply included 71 percent slaughter steers and 23 percent cows.

SLAUGHTER STEERS: High Choice and Prime 3-4 1175-1400 lb. 63.00-65.75, four head 66.00-67.00; few head Prime mostly 4 1400-1500 lb. 61.60-62.25; Good and Choice 1-2 1100-1425 lb. 63.50-65.35; Choice 2-4 1050-1375 lb. 59.00-63.00, several 63.00-63.85; high Good and low Choice 2-3 57.00-60.50; Good 2-3 54.00-58.00; Good and Choice 1200-1450 lb. Holsteins 51.00-52.50, few Choice 52.75-55.85, Standard and low Good 1150-1400 lb. 48.75-51.50.

SLAUGHTER HEIFERS: Few Choice 2-3 900-1100 lb. 56.00-58.75, few Good 2-3 54.00-56.00.

COWS: Utility and Commercial 1-3 42.00-45.25, few 45.25-46.25; Cutter 1-2 37.75-43.50, mainly 40.25-43.00; Canner and low Cutter 35.00-37.75, few 33.50-35.00.

BULLOCKS: Couple Choice 1050-1350 lb. 54.25-58.25.

BULLS: Yield grade 1 1350-1900 lb. 52.00-56.25, couple 56.50-57.75; yield grade 2 1000-1350 lb. 47.00-50.50.

VEAL CALVES: Vealers firm to 5.00 higher. Supply included 721 in graded sale of which 65 percent sold to return to farm.

VEALERS: Few Choice 150-250 lb. 60.00-85.00, couple 93.00-94.00; high Good and low Choice 140-280 lb. 53.00-76.00; 120-140 lb. 48.00-57.00, 70-115 lb. 46.00-55.00; few Standard 60-85 lb. 38.00-46.00.

RETURNED TO FARM: 20 head 100-115 lb. Holstein heifers 58.00-62.00. 230 head 100-125 lb. Holstein bulls 74.00-80.00; 65 head 90-95 lb. 55.00-67.00; 35 head small frame 110-120 lb. 55.00-70.00, 125 head 90-105 lb. 52.00.

SHEEP: Insufficient volume for a market test. Couple Choice 60-75 lb. spring lambs 59.00-64.00; few Good 60-100 lb. 36.00-45.00. Utility and Good slaughter ewes 13.00-23.00.

GOATS: No market test.

Lancaster Auction

Wednesday, Aug. 17
Report supplied by USDA

	Cattle	Calves	Hogs	Sheep
Today	175	48	713	11
Last Wednesday	258	29	753	5
Last Year	258	40	682	10
Wednesday's Auction	161	54	746	8
Last Wednesday's Auction	161	29	753	5

CATTLE: Insufficient volume of any one class to fully test market.

SLAUGHTER STEERS: Few Choice 2-4 1150-1450 lb. 60.00-62.35; mixed Good and Choice 2-3 1000-1350 lb. 58.00-60.00; Good and Choice 1150-1500 lb. Holsteins 50.00-54.25; Standard 1-2 46.00-50.00.

SLAUGHTER HEIFERS: Good and Choice 2-3 900-1050 lb. 53.00-58.00.

COWS: Utility and Commercial 1-3 39.75-42.00, couple 42.00-44.25; Cutter 1-2 38.00-41.00.

BULLS: Couple yield grade 1 1360-1500 lb. 49.00-50.60; couple Good and Choice 1075-1250 lb. bullocks 52.00-52.75.

VEAL CALVES: Vealers and slaughter calves mostly steady.

VEALERS: High Good and low Choice 70-115 lb. 40.00-50.00.

SLAUGHTER CALVES: Good and Choice 180-350 lb. 45.00-52.00.

RETURNED TO FARM: Few 95-120 lb. Holstein bulls 55.00-70.00.

SHEEP: No market test.

New Holland Livestock

Thursday, August 18

CATTLE: 1720. Compared to last Thursday slaughter steers firm to .50 higher; slaughter heifers not fully tested; cows 1.00-2.00 lower; bullocks steady; bulls steady to 1.00 higher. Supply included 66 percent slaughter steers, 25 percent cows and 7 percent bulls.

SLAUGHTER STEERS: High Choice and Prime 3-4 1150-1475 lb. 63.10-65.75, around 15 head 66.00-66.85; Good and Choice 1-2 62.75-65.00; Choice 2-4 1025-1500 lb. 59.00-63.75, mainly 60.00-63.25; high Good and low Choice 2-3 57.25-60.50; Good 2-3 950-1200 lbs. 54.50-58.00; Few Good and Choice 1125-1375 lb. Holsteins 50.35-54.75.

COWS: Utility and Commercial 1-3 40.50-43.25, few 43.25-44.25; Commercial 3-4 39.75-43.00; Cutter 1-2 37.75-42.75, bulk 39.25-42.00; Canner and low Cutter 35.50-38.00, several 32.00-35.50.

BULLOCKS: Choice 1050-1350 lb. 53.00-57.00, couple 57.00-58.00; Good 1000-1275 lb. 50.00-53.00.

BULLS: Yield grade 1 1300-2000 lb. 49.50-52.00, couple 52.50-55.00; yield grade 2 1000-1350 lb. 45.75-50.00.

VEAL CALVES: 644. Vealers steady to 3.00 lower. Demand good for Holstein bulls to return to farm.

VEALERS: Choice 180-300 lb. 65.00-85.00, few high Choice 86.00-97.00; Good 200-385 lb. 50.00-65.00; high Good and low Choice 120-200 lb. 48.00-60.00, 70-115 lb. 38.00-48.00, few 48.00-52.00; Several Standard 65-90 lb. 30.00-38.00.

RETURNED TO FARM: Bulk 95-120 lb. Holstein bulls 64.00-82.00, few 82.00-87.00.

SHEEP: 51. Spring lambs steady to 5.00 lower; slaughter ewes fully steady, instances 5.00 higher.

SPRING LAMBS: Choice 65-95 lb. 56.00-61.00; Good 55-100 lb. 46.00-55.00.

SLAUGHTER EWES: Utility and Good 12.00-22.00.

GOATS: 40. All goats sold by the head, mainly 22.00-36.00, 10 head 38.00-47.00 with three head 50.00-53.00.

Lancaster Weekly

Friday, August 19

	Cattle	Calves
This Week	5600	1765
Last Week	5702	1738
Last Year	4141	1599

CATTLE: Slaughter steers uneven, generally .50-.75 lower throughout the week, although closing fully steady; slaughter heifers steady to weak; cows closed 1.00-2.00 lower; bullocks steady; bulls mostly steady, some late sales 1.00 higher. Supply included 64 per cent slaughter steers, 5 per cent slaughter heifers, 19 per cent cows, 5 per cent bulls, balance feeder steers.

SLAUGHTER STEERS: High Choice and Prime 3-4 1175-1500 lbs. 62.50-65.75, around 20 head 66.00-67.00; Good and Choice 1-2 1100-1400 lbs. 62.75-65.35; Choice 2-4 1000-1500 lbs. 59.00-63.75, mainly 60.00-63.00, high Good and low Choice 2-3 57.00-60.50, Good 2-3 54.00-58.00; Good and Choice 1150-1450 lb. holsteins 50.35-54.50, few Choice 54.50-55.85, Standard 1-2 48.00-51.00.

SLAUGHTER HEIFERS: Choice 2-3 900-1170 lbs. 54.75-59.50, few Yield Grade 2 59.50-60.25; few Choice 2-3 850-900 lbs. 53.00-55.50, Good 2-3 50.00-55.00.

COWS: Utility and Commercial 1-3 40.50-43.25, several mainly early part of week 43.50-46.25, Cutter 1-2 37.75-43.50, mainly 39.25-42.00, Canner and low Cutter 35.00-38.00, several 32.00-35.50.

BULLOCKS: Choice 1050-1250 lbs. 51.50-55.00, few 55.00-58.25; Good 1000-1250 lbs. 48.00-51.00.

BULLS: Yield Grade 1 1300-2250 lbs. 48.00-53.00, few 53.00-56.00, couple 56.50-57.75; Yield Grade 2 1000-1350 lbs. 45.75-51.00.

VEAL CALVES: Vealers weak to 5.00 lower, slaughter calves 5.00-10.00 lower. Demand fair for holstein bulls to return to farm.

VEALERS: High Choice and Prime 150-320 lbs. 85.00-105.00; Choice 150-220 lbs. 65.00-85.00, few to 90.00; Good 200-300 lbs. 50.00-70.00; high Good and low Choice 120-200 lbs. 48.00-60.00, 70-115 lbs. 38.00-48.00, few 48.00-55.00; Standard 65-90 lbs. 30.00-40.00.

SLAUGHTER CALVES: Good and Choice 200-500 lbs. 45.00-55.00, few 55.00-60.00.

RETURN TO FARM: Bulk 95-125 lb. holstein bulls 64.00-82.00, few to 87.00, several 90-105 lbs 52.00-65.00.

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TUESDAY
10:00 A.M.— Slaughter Hogs
1:00 P.M.— Feeder Pigs
WEDNESDAY
10:00 A.M.— Slaughter Bulls, Heifers, Steers, Cows
11:00 AM.— Veal Calves, Lambs, Hogs
FRIDAY
11:00 A.M.— Stocker and Feeder Cattle
SATURDAY
9:30 A.M.—Slaughter Hogs
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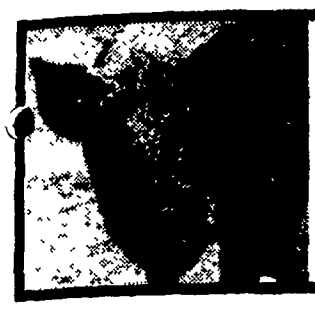

HOG MARKETS

New Holland Feeder Pigs

Wednesday, August 17
Report supplied by USDA

Today	859
Last Wednesday	1095
Last Year	753

TREND: Compared to last Wednesday feeder pigs 5.00-10.00 higher. All pigs weighed on arrival and sold by hundred weight.

US 1-2: 265 head 27-39 lb. 61.00-74.00; 68 head 43-49 lb. 56.00-59.00; 164 head 50-80 lb. 51.00-56.00.

US 2-3: 12 head 23-25 lb. 73.00-75.00; 40 head 30-39 lb. 64.00-69.00; 84 head 42-46 lb. 51.00-54.00; 105 head 50-70 lb. 47.00-50.00; 33 head 71-75 lb. 52.00.

Carlisle Feeder Pigs

Carlisle, Pa.
Friday, August 12
Report supplied by auction

Total 963 pigs.

TREND: Compared to July's State Graded Sale pigs were 5.00 to 20.00 lower. Strongest demand for pigs over 45 pounds. All pigs were weighed on arrival and sold by the hundred weight.

US No. 1 & 2: 29 head 32-39 lbs. 56.00-61.00; 103 head 40-49 lbs. 51.00-66.00, mostly 55.00-66.00; 86 head 54-60 lbs. 51.00-60.00, mostly 55.00-60.00; 59 head 63-74 lbs. 51.00-55.00.

US No. 2's: 138 head 28-39 lbs. 51.00-63.00; 156 head 41-49 lbs. 45.00-61.00, mostly 52.00-61.00; 63 head 51-59 lbs. 51.00-58.00; 167 head 62-77 lbs. 50.00-56.00; 34 head 80-85 lbs. 51.00-54.00; 18 head 95 lbs. 51.00.

US No. 2 & 3's: 13 head 23-29 lbs. 62.50-67.50; 5 head 28 lbs. 46.00; 57 head 35-49 lbs. 40.00-52.00; 3 head 85 lbs. 53.00.

UTILITY: 18 head 27-34 lbs. 43.00-45.00.

AS IS: 8 head 27-47 lbs. 20.00-45.00.

LATE CUTS: 5 head 35-74 lbs. 25.00-35.00.

Lancaster Hogs

Lancaster Stockyards
Monday, August 15
Report supplied by USDA

HOGS: Compared to last Wednesday barrows and gilts 2.50-3.00 higher; sows 2.00-3.00 higher.

BARROWS AND GILTS: US 1-2 215-255 lb. 52.85-53.50; 195-210 lb. 49.75-51.00. US 1 215-255 lb. 53.50-54.00. US 1-3 210-265 lb. 52.25-52.75.

SOWS: US 1-3 300-650 lb. 36.00-38.50, few 38.50-39.50.

Tuesday, August 16

Today	237
Last Tuesday	175
Last Year	442

TREND: Compared to Monday barrows and gilts 50-1.00 lower.

BARROWS AND GILTS: US 1-2 210-250 lb. 52.00-53.00. US 1-3 210-260 lb. 51.00-52.00.

Wednesday, August 17

HOGS: Compared to Tuesday barrows and gilts 1.50-2.50 higher, some late 3.50 higher.

BARROWS AND GILTS: US 1 210-250 lb. 54.50-55.50, 100 head late 55.85-56.75; 195-210 lb. 53.00-53.50. US 1 215-255 lb. 55.75-56.50. US 1-3 210-260 lb. 53.50-54.50.

Lancaster Feeder Pigs

Tuesday, August 9
Report supplied by USDA

Today	794
Last Tuesday	510
Last Year	1008

TREND: Compared to last Tuesday feeder pigs 5.00-10.00 higher. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 12 head 22-24 lbs. 76.50-80.00; 58 head 30-39 lbs. 68.00-72.00; 197 head 40-49 lbs. 60.00-64.00; 76 head 44 lbs. 67.50-69.50; 173 head 50-59 lbs. 53.00-58.00; 12 head 50-51 lbs. 62.00-65.00; 38 head 61-66 head 51.00-61.00.

US 2: 23 head 36 lbs. 60.00-65.00; 50 head 44-46 lbs. 57.00-59.00.

US 2-3: 38 head 30-39 lbs. 60.00-64.00; 30 head 44-48 lbs. 50.00-55.00; 11 head 89 lbs. 43.50.

Vintage Hogs

Vintage Sales Stables
Saturday, August 13
Report supplied by auction

US 1 & 2, 205-235 lbs., 51.50-53.00; US 2 & 3, 200-245 lbs., 50.00-51.50; Sows, 300-500 lbs., 34.00-37.00; Boars, 200-500 lbs., 31.00-39.00.

Wednesday, August 17

US 1 & 2, 205-235 lbs., 52.00-52.85; US 2 & 3, 200-245 lbs., 51.00-52.00; Sows, 300-500 lbs., 31.00-33.75; Boars, 200-750 lbs., 31.00-37.25.

New Holland Hogs

Monday, August 15
Report supplied by USDA

Today	1787
Last Monday	1415
Last Year	1573

TREND: Compared to last Monday barrows and gilts 2.00-3.00 higher.

BARROWS AND GILTS: US 1-2 220-250 lb. 52.50-53.35. US 1 220-255 lb. 54.00-55.50. US 1-3 215-260 lb. 51.75-52.25.

Peoria Cattle

Thursday, August 18
Report Supplied by USDA

Compared to last week: Slaughter steers and heifers closed steady to 1.00 lower. Cows under pressure late and 3.00 lower. Bulls steady to 1.00 lower. Trade moderate early but turned slow as the carcass beef trade worked to lower levels. Demand remains centered on choice 3 steers and heifers over 1100 and 950 lbs. Respectively with other grades and weights selling under pressure. Receipts this week 2550. Compared to 2492 last week and 2240 last year.

SLAUGHTER STEERS: Choice 2-4 1050-1200 lbs. 60.50-62.50, 1000-1100 lbs. 59.00-60.50. Good and Choice 2-3 950-1200 lbs. 57.00-60.00. Good 53.00-58.00. Holsteins: Good and Choice 1-3 1250-1350 lbs. 50.00-54.00, Standard and Good 1050-1250 lbs. 48.00-50.00.

SLAUGHTER HEIFERS: Choice 2-4 950-1100 lbs. 58.50-61.00, bulk 59.00 to 61.00. 850-950 lbs. 57.00-59.00. Good and Choice 2-3 850-1050 lbs. 56.00-58.00. Good 54.00-57.00.

COWS: Utility 1-3 late sales 36.00-38.00. Cutter 34.00-36.00.

Joliet Cattle

Thursday, August 18
Report Supplied By USDA

Weekly Cattle

Friday through Wednesday's salable receipts 2,450; 5 days last week 2,313; same period a year ago 2,570. Trading moderate on Monday; moderately active Wednesday. Slaughter steers ended the week steady to 1.00 higher compared with Wednesday of past week. Slaughter heifers ended the week mostly steady.

SLAUGHTER STEERS: Mixed High Choice and Prime 3-4 1200-1400# 63.50-64.00, load 64.50 Monday; 63.75-64.00, load 64.50 Wednesday. Choice 2-4 1100-1350# 62.00-63.50 Monday; 61.50-63.00 Wednesday, 1000-1100# 60.50-62.00 Monday; 60.50-61.25 Wednesday. Mixed Good and Choice 2-3 1000-1150# 59.50-60.50, 950-1050# 58.00-59.00. Choice 2-3 1550-1600# Holsteins 56.00-57.00 Monday.

SLAUGHTER HEIFERS: Choice 2-4 950-1050# 59.50-60.75, 1 load 3 1200# Charolais cross bred 61.50 Monday; 59.00-60.25 Wednesday, 900-950# 58.50-59.50 Monday; 58.00-59.00 Wednesday. Mixed good and choice 2-3 850-1000# 56.50-58.50 Monday; 56.00-58.00 Wednesday.

U.S. Inspected Livestock Slaughter

Estimated Daily Livestock Slaughter — Thursday, August 18
Report supplied by USDA — **Under Federal Inspection**

CATTLE	CALVES	HOGS	SHEEP
Week to Date (Est.)			
524,000	43,000	1,194,000	95,000
Same Period Last Week (Est.)			
520,000	43,000	1,215,000	103,000
Same Period Last Year (Act.)			
514,000	40,000	1,134,000	98,000

Chicago Grain Futures

(Closing Bids as of Thursday, August 18)

	Corn	Wheat	Soybeans	Soybean Meal
Sept.	3.49¾	3.84¼	8.67½	240.70
Oct.				241.80
Dec.	3.50½	4.05½		245.00

Trend - Corn is lower, Wheat is stronger, Soybeans are stronger, Soybean Meal is stronger.

Market Provided by Commodity Department
Dean Witter Reynolds, Inc.

Futures Trading

(Closing Bids as of Thursday, August 18)

	Chicago Cattle	Chicago Hogs	New York Maine Potatoes
Aug.	62.97	52.65	
Oct.	58.25	44.15	
Nov.			8.15
Dec.	58.90	44.35	

Trend - Cattle are higher, Hogs are higher, potatoes lower.

Market Provided by Commodity Department Dean Witter Reynolds, Inc.

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For market information contact Ken Smoker or Ollie Nagle at 717-397-5136.

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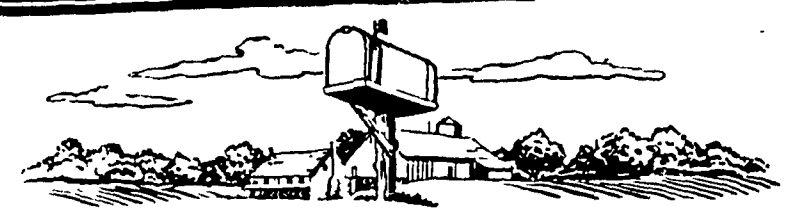

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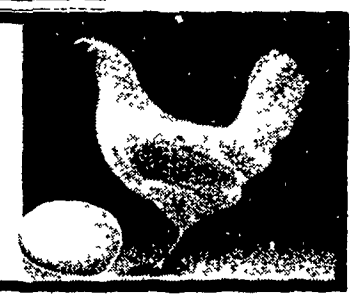

N. E. Weekly Shell Egg Report

Tuesday, August 16
Report supplied by USDA

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores:

	Ex. Large	Large	Medium	Small
MAINE	1.02-1.05	94-97	79-82	50-53
MASS.X	1.05-1.07	97-99	76-78	51-53
Mostly	1.05	97	76	51
N. HAMP.	95-99	87-91	72-76	43-47
Mostly	97-98	89-90	74-75	45-46
R.I.	94-1.02	88-94	71-79	43-49
Mostly	94-98	88-90	71-75	43-45
VERMONT	H O	L I	D A	Y
Mostly	–	–	–	–

X Includes Central and Western Sections only.

Weekly New York Egg Market

From Friday, August 12 to August 19

	Fri.	Mon.	Tues.	Wed.	Thurs.
WHITE					
Jumbo	96	94	94	94	96
Ex Large	88	86	86	86	88
Large	80	78	78	78	80
Mediums	67	59	62	65	67
Pullets	46	43	47	48	46
Off Grade	67	65	65	65	67
BROWN					
Jumbo			–	–	–
Ex Large	1.02	98	98	98	92
Large	94	90	90	90	90
Mediums	67	61	61	61	61
Pullets	Unquoted				
Peewees	Unquoted				
Off Grade					
Undergrades	42	43	44	44	46
Checks	40	41	42	43	44

Breaking Stock: Friday 14.40-14.70; Monday 13.00-13.80; Tuesday 14.70-15.00; Wednesday 15.00-15.30; Thursday 15.00-15.60.

Heinsey's Poultry Market

Root's, East Petersburg
Tuesday, August 16
Report supplied by auction

MUSCOVY DUCKS, DRAKES: range 1.20-1.44 per lb.

MUSCOVY DUCKS, HENS: range .80-1.10 per lb.

PEKIN DUCKS: range .40-.42 per lb.

PULLETS: 5-8 lbs. range .30-.48 per lb.

RED FOWL: 4-5 lbs. range .20-.26 per lb.

RED FOWL: 5-6 lbs. range .24-.40 per lb.

CROSSBRED FOWL: 6-9 lbs. range .12-.38 per lb.

CROSSBRED ROOSTERS: 4-6 lbs. range .30-.62 per lb.

CROSSBRED ROOSTERS: 7-11 lbs. range .25-.52 per lb.

GUINEA FOWL: range 1.80-2.25 per lb.

BANTY ROOSTERS: range 1.25-2.85 ea.

BANTY HENS: range .25-1.00 ea.

GEESE: 7-14 lbs. range .27-.64 per lb.

PIGEONS: range .75-1.00 ea.

WHITE PIGEONS: range 1.00-1.50 ea.

RABBITS: 4-6 lbs. range .10-.32 per lb.

RABBITS: 7-12 lbs. range .05-.22 per lb.

BUNNIES: .50-1.50 per lb.

GUINEA PIGS: range .50-2.25 ea.

GOATS: range 22.00-48.00 ea.

KID GOATS: range 16.00-32.00

LEGHORN HEN: range .07-.15 per lb.

LEGHORN ROOSTERS: range .12-.22 per lb.

BROILERS: 3-6 lbs. range .22-.34 per lb.

TOTAL AMOUNT COOPS: 960.

Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week. This week's prices for each classification were:

Classification	Net Weight Per Case	August 16 Tuesday	August 18 Thursday
Class 1 - Large	48 lbs.	66½	65
Class 2 - Large	45 lbs.	55	55
Class 3 - Medium	42 lbs.	52	52
Class 4 - Small	39 lbs.	40	40
Breaking Stock	48 lbs.	46	50
Checks	48 lbs.	41	45

Philadelphia Eggs

Thursday, August 18
Report supplied by USDA

MARKET COMMENT: Prices higher. Trade sediment though confused is mostly steady. Distribution movement is less aggressive and generally no better than fair. Supplies are in irregular balance with jumbos still in shortest position.

Prices to retailers: Sales to volume buyers, consumer grades white eggs in cartons delivered store door:

A Extra Large .76-.79; A Large .75-.78; A Medium .59-64.

Eastern Pa. & N.J. Poultry

Thursday, August 18
Report supplied by USDA

Market Comment: Prices are higher. Supply of light type hens is confidently held as producers tend to hold onto flocks due to current shell egg values. Offerings of live are light with some difficulty noted in filling next week's schedule to desired levels. Canner pack movement is fairly good. Undertone is fully steady.

Prices Paid at Farm:

Light Type Hens: 11½-12, mostly 11½.

F.O.B. Plant: 14.

Delmarva Poultry

Thursday, August 18
Report supplied by USDA

Market Comment: Ready to cook movement on whole birds has improved overall but most plants still have to discount, although not as sharply as before, in order to move additional production. Parts movement is also a little better but here again the supply is at least fully adequate. Overall slaughter remains fairly heavy. Live supply is at least adequate. Weights are trending a little heavier with most plants starting to find their weights in desired range. Undertone is unsettled, ranging steady to weak.

Today's L.T.L. asking prices 4-5 cents lower on U.S. Grade A at 51-54 cents.

Estimated slaughter of broiler fryers in Delmarva (000).

Estimated 8/18 1,889; Actual 8/11 1,801; Actual 8/16 1,932; Average Weights 8/16 4.22; 8/9 4.05.

New York Multiple Drop Broiler Report

Thursday, August 18
Report supplied by USDA

Current broiler/fryer negotiated prices for immediate delivery includes mostly multiple-drop shipments to New York City from Delmarva.

RANGE: U.S. Grade A .48-.55.

WTD. AVG.: U.S. Grade A 53.80; Premium (X) Boxes 11,560.

(X) Includes special services, selected competitive brands, etc.

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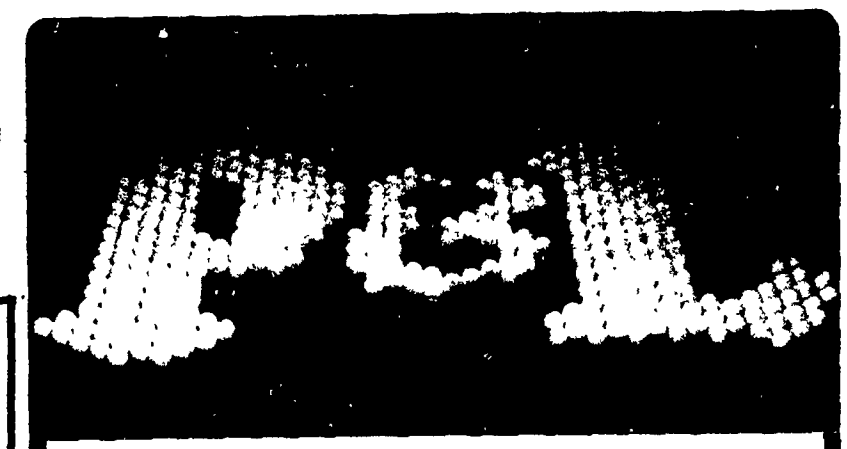

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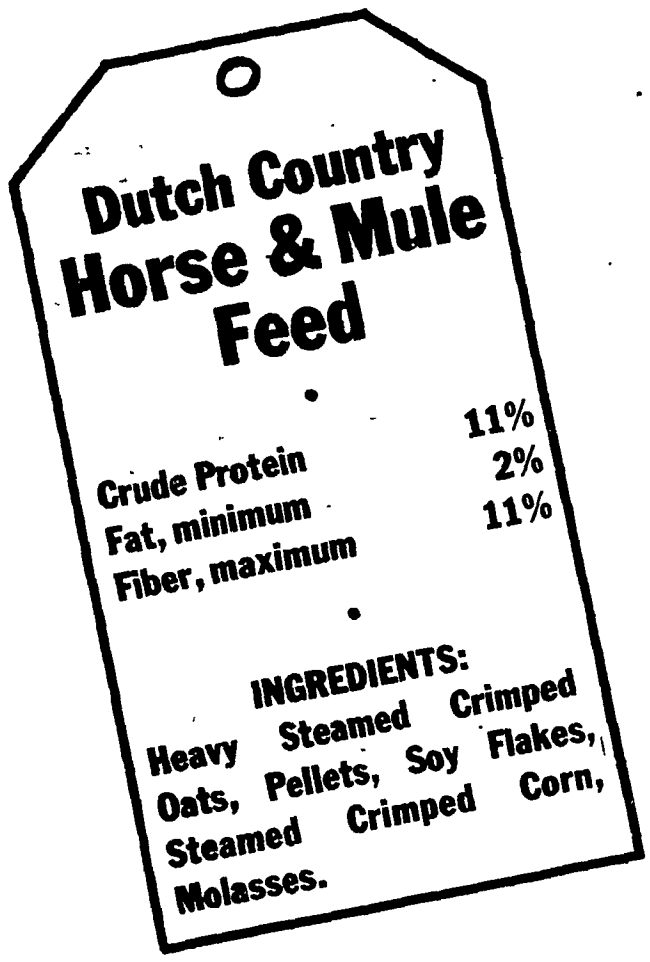

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Leinbach's Hay

Shippensburg, Pa.
Tuesday, August 16
Report supplied by auction

20 loads.

Alfalfa 111.00-130.00; Mixed hay 35.00-82.50; Timothy 74.00; Clover 75.00; Straw 39.00-60.00; Ear Corn 128.00-136.00; Rye seed 4.20 per bushel.

Kiester's Hay

Middleburg, Pa.
Tuesday, August 16
Report supplied by auction

6 loads of hay.

Mixed hay 54.00-100.00; Straw 45.00-50.00; Ear Corn 127.50-137.50.

Green Dragon Hay

Ephrata, Pa.
Friday, August 12
Report supplied by PDA

35 loads hay and 18 loads straw.

Alfalfa 104.00-118.00, one load 126.00; Mixed hay 61.00-128.00, mostly 80.00-110.00; Timothy hay 84.00-106.00; Orchard Grass, one load 64.00; Straw 60.00-76.00, one load 60.00; Ear Corn, 15 loads 121.00-142.00, one ld. 114.00; Rye, 2 loads 4.40 & 4.95 per bushel; Oats, one load 2.29 per bushel.

Regional Hay

Friday, August 12
Report supplied by PDA

(All hay No. 2 and better, prices paid by dealers at the farm and per ton).

Hay steady to $10 higher. Straw steady.

Alfalfa 80.00-120.00; Mixed hay 70.00-85.00; Timothy hya 55.00-85.00; Straw 40.00-60.00; Mulch 25.00-30.00.

Kings Auction

Tuesday, August 15
Report supplied by Auction

8 loads.

Alfalfa 88.00-115.00; Timothy 80.00; Rye seed 3.50 per bushel; Wood 39.00 per pick-up; Slab wood 125.00 per truckload.

New Holland Hay

New Holland Sales Stables
Monday, August 15
Report supplied by auction

116 loads, straw and hay market 5.00 to 10.00 higher, corn is steady.

Timothy and alfalfa mixed up to 137.00; Timothy 80.00-107.00; Mixed grass 60.00-78.00; Clover 96.00-100.00; Earn corn 125.00-140.00; Few corn with mold 108.00-119.00; Straw 61.00-96.00; Oats 2.12 bu.; Rye 4.60-5.75 bu.

Good's Hay

Leola, Pa.
Wednesday, August 17
Report supplied by auction

115 loads.

Mixed hay 63.00-105.00; Alfalfa 95.00-130.00; Corn 120.00-138.00; Straw 50.00-88.00; Timothy 59.00-96.00; Clover 65.00; Oats 1.90 per bushel.

Pa. Grain

Monday, August 15
Report supplied by PDA

Compared with last Monday's market for Southeastern, Central and South Central Pa. Corn strong to 20 cents higher. Wheat steady to 15 cents higher. Barley & Oats steady to 10 cents higher. Ear Corn steady to $10 highe .

Prices paid delivered to dealers dock - (All prices per bushel, except Ear Corn per ton.)

Southeastern Pa.

Corn No. 2-y range 3.80-4.10, average 3.96, New Crop 3.30-3.66; Wheat No. 2 range 3.50-3.84, few reported 3.35, average 3.64, Barley No. 3 range 2.10-2.30, average 2.22; Oats No. 2 range 1.65-1.90; average 1.77; Soybeans No. 1 range 7.74-8.00, average 7.91, New Crop 8.00-8.33; Grain Sorghum #2 New Crop 2.90; Ear Corn range 100.00-114.00, few reported 120.00, average 110.03.

Central Pa.

Corn No. 2-y range 3.80-4.00, few reported 3.60, average 3.84; Wheat No. 2 range 3.25-3.60, average 3.44; Barley No. 3 range 2.00-2.20, average 2.08; Oats No. 2 range 1.40-1.80, average 1.61; Soybeans No. 1 range 7.35, average 7.35; Ear Corn range 95.00-110.00, average 103.79.

South Central Pa.

Corn No. 2-y range 3.50-4.05, average 3.76; Wheat No. 2 range 3.25-3.50, average 3.36; Barley No. 3 range 1.85-2.40, average 2.06; Oats No. 2 range 1.60-1.75, average 1.69; Ear Corn range 100.00-120.00, average 108.00.

Southeastern, Central & South Central Summary

Corn No. 2-y range 3.80-4.08, average 3.87; Wheat No. 2 range 3.25-3.80, average 3.52; Barley No. 3 range 1.90-2.30, average 2.14; Oats No. 2 range 1.50-1.85, average 1.68; Ear Corn range 100.00-115.00, average 107.09.

Western Pa.

Corn No. 2-y range 3.50-3.78, few reported 4.00, average 3.64; Wheat No. 2 range 3.00-3.15, average 3.09; Barley No. 3 range 2.00, average 2.00; Oats No. 2 range 1.45-1.65, average 1.58; Ear Corn range 80.00-87.00, average 83.50.

Belleville Livestock

Belleville, Pa.
Wednesday, August 17
Report Supplied By Auction

CATTLE 113. Couple Good slaughter steers 55.00-56.25, Standard 42.25-45.00. Utility & Commercial slaughter cows 38.75-42.50, Cutters 36.00-38.50, Canner & Low Cutter 32.85-36.50, Shells down to 28.00. Yield Grade #1 and #2 1260-1770 lbs. slaughter bulls 41.60-51.25.

CALVES 178. Couple Choice vealers 75.00 and 86.00, few Good 65.00-72.00, Standard & Good 70-105 lbs. 43.00-52.00, Utility 50-80 lbs. 30.00-42.00. Farm calves, holstein bulls 90-125 lbs. 60.00-83.00.

HOGS 275. US No. 1-2 210-240 lbs. barrows & gilts 53.00-54.75, No. 1-3 230-260 lbs. 51.25-53.00. US No. 1-3 300-550 lbs. sows 32.50-42.00, No. 2-3 350-630 lbs. 29.25-34.00. Boars 28.00-38.25.

FEEDER PIGS 248. US No. 1-3 15-20 lbs. feeder pigs 10.50-13.50 per head, No. 1-3 20-35 lbs. 13.00-19.00, No. 1-3 35-50 lbs. 19.50-35.50 per head.

SHEEP 31. Lot Good spring slaughter lambs at 49.00, Utility & Good 65-90 lbs. 35.00-49.00. Slaughter ewes 7.50-24.00.

GOATS 28. Adults 21.00-27.00 per head, kids 10.00-21.00 per head.

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THURSDAY

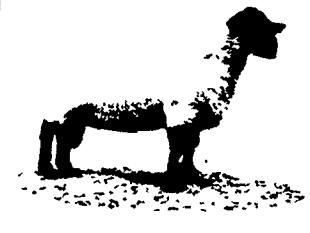
11:00 AM

BULLS -

STEERS - BEEF COWS

3:30 P.M.

CALVES



SHEEP
GOATS

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Pick-up your check before you leave

Livestock market and auction news

Morrison Cove Livestock

Martinsburg, Pa.
Monday, Aug. 15
Report Supplied by Auction

CATTLE 296. High Choice & Prime slaughter steers 63.00-66.25, one at 67.50, Choice 61.25-62.50, Good 58.50-60.50, Standard 53.50-57.25, Utility 42.50-51.75. Choice slaughter heifers 60.25-61.75, Good 56.50-58.50, Standard 51.50-55.25, Utility 42.50-50.25. Utility & Commercial slaughter cows 43.50-45.75, Commercial 41.50-42.75, Cutters 39.50-41.25, Canner & Low Cutter 35.50-39.50, Shells down to 25.00. Choice slaughter bullocks 56.50-58.25, Good 51.50-54.25, Standard 45.50-50.25, Utility 42.50-45.00. Yield Grade #1 slaughter bulls 52.50-54.50; yield grade #2 45.50-51.25. Choice feeder steers 54.50-60.50, Good 50.50-52.50, Medium 45.50-50.50; Good feederheifers 52.50-55.25, Medium 40.50-45.50; Good feeder bulls 52.50-54.00, Medium 40.50-47.00.

CALVES 521. Prime vealers 91.50-94.50, Choice 75.00-82.50, Good 65.00-72.50, Standard & Good 110-130 lbs. 55.50-62.50, 90-110 lbs. 48.00-53.50, 70-90 lbs. 40.00-48.50, Utility at 35.00. Farm calves, holstein bulls 90-130 lbs. 67.50-86.50; holstein heifers 90-130 lbs. 54.50-69.50.

HOGS 443. US No. 1-2 200-240 lbs. barrows & gilts 51.00-52.50, No. 1-3 200-240 lbs. 50.25-51.25, No. 2-3 200-250 lbs. 48.00-49.25, 250-300 lbs. 42.50-47.50. US No. 1-3 300-600 lbs. sows 36.25-42.00, No. 2-3 300-600 lbs. 30.25-35.50. Boars 30.50-33.50, Light weights 34.50-36.50.

FEEDER PIGS 147. US No. 1-3 20-40 lbs. feeder pigs 14.00-27.50 per head, No. 1-3 40-60 lbs. 27.50-32.50 per head.

SHEEP 55. Choice 90-100 lbs. spring slaughter lambs 51.50-53.50, Good 80-85 lbs. 48.00-48.50, Utility 50-70 lbs. 40.50-42.50. Slaughter ewes 12.00-18.50.

GOATS 13. 10.00-31.00 per head.

Keisters Livestock

Middleburg, Pa.
Tuesday, Aug. 16
Report Supplied by Auction

CATTLE 514. High Choice & Prime slaughter steers 62.50-64.25, Choice 61.00-63.85, Good 55.00-60.50, Standard 50.00-55.00, Utility 42.00-50.00. Choice slaughter heifers 56.75-58.85, Good 52.00-56.75, Standard 48.00-52.00, Utility 40.00-48.00. Utility & Commercial slaughter cows 40.00-45.75, Cutters 38.00-44.60, Canner & Low Cutter 32.00-38.00, Shells down to 28.00. Choice slaugther bullocks 55.00-57.75, Good 52.00-55.00. Yield Grade #1 1200-2085 lbs. slaughter bulls 48.00-55.10; yield grade #2 800-1200 lbs. 42.00-48.00. Medium Frame #1 350-850 lbs. feeder steers 45.00-58.00.

CALVES 184. Choice vealers 72.00-84.00, Good 60.00-72.00, Standard & Good 90-110 lbs. 45.00-52.00, 70-90 lbs. 35.00-45.00. Farm calves, holstein bulls 90-120 lbs. 50.00-90.00.

HOGS 589. (Monday, August 15, 1983) US No. 1-2 210-235 lbs. barrows & gilts 52.00-52.85, No. 1-3 200-250 lbs. 51.25-52.00, No. 2-3 190-270 lbs. 48.00-51.25. US No. 1-3 380-500 lbs. sows 35.50-37.00, few to 40.25, No. 2-3 400-500 lbs. 32.75-35.50. Boars 355-700 lbs. 28.00-33.50.

FEEDER PIGS 540. US No. 1-3 10-25 lbs. feeder pigs 12.00-22.00 per head, No. 1-3 25-50 lbs. 22.00-35.00 per head.

Omaha Cattle

Thursday, August 18
Report Supplied By USDA

Through midweek, slaughter steers and heifers closed unevenly steady with last week. Buyer demand generally good until late Tuesday when lower dressed beef prices prompted many buyers to bear down Wednesday even though midweek receipts were small. Best demand still centers on steers over 1100 lbs. and heifers over 950 lbs. with expected higher percentages choice carcasses. Slaughter cows under the influence of lower dressed prices turned 1.00-2.00 lower. Slaughter bulls 1.00-2.00 lower.

Four day receipts this week 9987, week ago 8951, year ago 8669. Steers comprised 50 pct of receipts this week, heifers 35 pct, cows 10 pct. feeders 3 pct.

STEERS: Scattered loads and lots Choice 2-4 1050-1250 lbs. 62.25-63.75. Choice 2-3 1000-1050 lbs. 61.00-62.00. Mixed good and choice 2-3 1000-1150 lbs. 60.00-62.25. Good 57.00-60.00. Good and mixed good and choice 2-3 1100-1400 lb. holsteins 51.00-54.00.

HEIFERS: Scattered loads and lots choice 2-4 925-1100 lbs. 59.50-61.50. Choice 2-3 850-925 lbs. 58.00-59.50. Mixed good and choice 2-3 875-1025 lbs. 57.00-60.00. Good 54.00-58.00.

Average of Ls 214, detailed quotations for 900-1100 lb. choice steers this week 62.02, 1100-1300 lbs. 63.25. Average cose steers this week 62.09, average weight 1120 lbs. as compared to 61.69 and 1117 lbs. last week. Average cost heifers 59.61 and 984 lbs. as compared to 58.73 and 974 lbs. last week.

COWS: High cutter, utility and commercial 1-3 37.00-39.00, few to 39.50. Cutter 1-2 36.00-38.50. Canner and low cutter 34.00-36.50. Few "Shelly" canner to 32.00.

G&M Livestock

Monday, August 15
Duncansville, Pa.
Report supplied by auction

SLAUGHTER CATTLE: Steers- Choice 60.00-63.35; Good 54.00-60.00; Standard 50.00-54.00; Utility 48.00-50.00. Heifers- Choice 58.00-61.00; Good 52.00-58.00; Standard 48.00-52.00; Utility 44.00-48.00. Cows- Choice 42.00-44.00, couple to 46.00; Good 40.00-42.00; Standard 38.00-40.00; Utility 36.00-38.00; Cutters 34.00-36.00; Canners down to 32.00. Bulls- 1100-1900 lbs. 48.00-56.00

FEEDER CATTLE: Steers- Choice 300-600 lbs. 50.00-57.50. Heifers- Choice 300-600 lbs. 48.00-54.00.

CALVES: Vealers- Prime and High Choice 90.00-101.00; Good and Choice 70.00-90.00; Standard 50.00-70.00; Utility down to 35.00. Farm Calves- Holstein bulls 90-120 lbs. 75.00-97.50. Heifers- 90-120 lbs. 70.00-87.00.

HOGS: Barrows and gilts 200-240 lbs. 50.00-53.10; 170-300 lbs. 42.00-50.00. Sows- 300-750 lbs. 33.20-43.00. Boars- 30.00-37.75.

FEEDER PIGS: 25-35 lbs. 12.00-18.00 per head; 35-50 lbs. 18.00-28.00.

SHEEP: Slaughter lambs 70-100 lbs. 42.00-52.00. Ewes 10.00-30.00.

GOATS: 12.00-42.00.

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Livestock market and auction news

Dewart Livestock

Dewart, Pa.
Monday, Aug. 15
Report Supplied by PDA

CATTLE 246. Compared with last Monday's market, slaughter steers mostly steady. Slaughter cows grading Utility & Commercial $1 to $2 higher, Canner & Cutter $1 lower. Choice No. 2-4 1000-1625 lbs. slaughter steers 59.75-62.50, few to 63.25, Good 57.75-60.25, Good & Choice holsteins 55.00-57.25, few to 60.50, Standard 49.25-55.00. One High Choice slaughter heifer at 60.25, one Choice at 57.75, few Good 55.50-56.25, few Standard 46.75-48.00, few Utility 36.50-43.25. Utility & Commercial slaughter cows 40.00-44.00, few to 44.85, cutters 37.50-40.00, few to 41.75, Canner & Low Cutter 33.00-37.00, Shells down to 26.75. Couple Good slaughter bullocks 53.00-53.75, few Standard 45.50-50.25, couple Utility 45.50 and 46.75. Couple Yield Grade #1 1332 and 1674 lbs. slaughter bulls 51.85 and 53.00. Large Frame #2 395-560 lbs. feeder steers 38.50-43.50; few Large Frame #2 560-850 lbs. feeder bulls 41.50-48.75.

CALVES 284. Vealers grading Standard & Good steady to strong. Choice vealers 62.00-79.00, Good 59.00-69.00, Standard & Good 49.00-58.00, 60-90 lbs. 43.00-50.00, few Utility 55-85 lbs. 40.00-46.00. Farm calves, holstein bulls 90-125 lbs. 70.00-88.00, few down to 60.00; few holstein heifers 85-120 lbs. 48.00-65.00; beef cross bulls & heifers 70-145 lbs. 47.00-79.00; slaughter calves, few 250-320 lbs. (Good & Choice) 44.00-55.00.

HOGS 163. Barrows & gilts $3 higher. US No. 1-2 210-230 lbs. barrows & gilts 51.90-52.50, few No. 1-3 210-255 lbs. 51.00-51.60, 195-245 lbs. 45.00-48.00, few No. 2-3 225-315 lbs. 37.50-42.00, few No. 1-3 115-166 lbs. 35.00-35.75. Sows mostly steady. US No. 1-3 300-578 lbs. sows 34.00-37.75, one at 38.75, few No. 2-3 336-662 lbs. 28.50-35.00. Boars 28.00-32.00.

FEEDER PIGS 186. US No. 1-3 10-30 lbs. feeder pigs 9.00-12.00 per head, No. 1-3 25-25 lbs. 15.00-22.50, No. 1-3 35-50 lbs. 19.00-26.50, lot Utility 15 lbs. 6.00 per head.

SHEEP 44. Choice 85-108 lbs. spring slaughter lambs 45.00-54.00, one at 58.00, Good 62-90 lbs. 40.50-45.00, few Utility 46-70 lbs. 34.00-41.50.

Carlisle Auction

Carlisle, Pa.
Tuesday, August 16
Report supplied by auction

CATTLE: Steers were steady; Heifers were steady, Cows were .50 higher and Fat Bulls were steady to 1.00 higher. Steers- High Good & Low Choice to 58.75; Good Holsteins 51.50-53.00; Standard 51.75 down. Heifers- No Choice offered. Good 52.75-53.00; Standard 45.25-48.50; Utility 40.25 down. Cows- Active bidding; Utility & Commercial 40.85-44.75; Cutter 37.75-41.10; Canner & Low Cutter 36.75-38.00; Shells 35.00 down. Fat Bulls- Medium 1105-1960 lbs. 45.00-46.75.

FEEDER CATTLE: Steers were 2.00 lower; Heifers were 5.00 higher and Bulls were steady. Steers: Good 350-500 lbs. 47.00-55.00; Medium 475-550 lbs. 43.50-47.00; Utility 365-400 lbs. 37.00-39.00; Medium 655-790 lbs. 45.00-49.50. Heifers- Good 365-425 lbs. 55.00-59.00; Medium 425-470 lbs. 40.00-44.00; Medium 535-660 lbs. 48.00-53.00; Medium-Utility 540-765 lbs. 37.00-40.00. Bulls- Good 645-650 lbs. 50.00-53.00; Medium 535 lbs. 48.00; Utility 345-475 lbs. 37.00-43.00.

CALVES: Vealers were 5.00 higher and back to the farm calves were 1.00 higher for Hol. Bulls. Vealers-Choice 75.00-85.00; Good 60.00-75.00; Standard 50.00-65.00; Standard & Light 55.00 down. Farm Calves- Hol. Bulls 80.00-87.00.

HOGS: 3.00 higher! US No. 1-2, 52.00-54.50; US No. 1-3, 47.50-51.00; (4-H Champion 374.00; Reserve 250.00 sale average for 93 hogs 72.00). Sows- 3.00 higher; US No. 1-3, 37.00-39.75; No. 2-3, 33.00-36.50. Boars- 27.00-30.75.

FEEDER PIGS: US No. 1-3, 25-35 lbs. 14.00-23.00 head; No. 1-3, 40 lbs. 16.00 head.

SHEEP: Lambs- Choice to 52.00; Good 40.00-45.00; Utility 32.00-38.00. Ewes- 15.00-19.00. Goats- 12.00-43.00 head.

Sale evening every Tues. 7:00 PM. Eggs, poultry & rabbits 4:15 PM.

Penns Valley Livestock

Centre Hall, Pa.
Tuesday, August 16
Report supplied by auction

Beef Cows: Utility and Commercial 40.25-43.60; Cutters 37.50-40.00; Canners 35.00-37.00; Shells 28.00.

Steers: Good 52.10-56.50; Standard 48.10-51.75.

Bulls: Standard 45.00-46.25.

Feeder Cattle: 300-500 lbs. large frame 50.50-56.00; 300-500 lbs. small frame 42.00-51.00; 500-700 lbs. large frame 44.00-52.00.

Veal Calves: Prime 89.00-94.50; Choice 76.00-88.00; Good 64.00-75.00; Standard 54.00-62.00; Utility 42.00-53.00.

Farm Calves: Bulls 74.00-96.00; Heifers 65.00-71.00.

Hogs: 51.25-55.00.

Sows: 31.25-32.75.

Boars: 24.50-26.25.

Shoats: 25-30 lbs. per head 12.00-18.00; 30-35 lbs. per head 20.00-24.00; 35-50 lbs. per head 22.00-31.00.

LAMBS: 40.00-48.50.

SHEEP: 12.00-29.00.

GOATS: 8.00-24.00.

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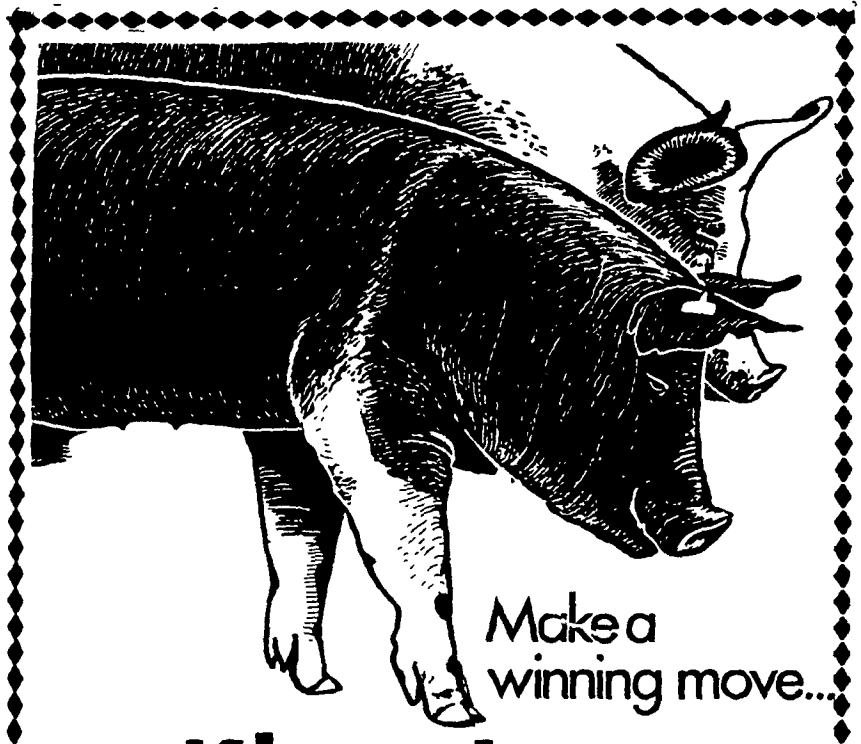
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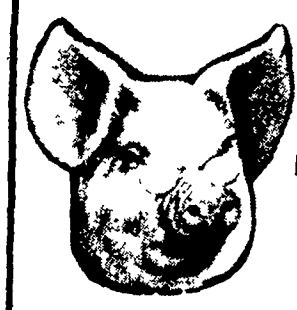
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Livestock market and auction news

VIRGINIA MARKETS

Virginia Auction Summary

August 11-17
Report supplied by VDA

Total of Va. Weekly Feeder Cattle Auction Receipts: 5,351.

TREND: *Steady to $3.00 higher. At closing steady to $1.00 lower.*

Southwestern, Va.
Auction Summary
August 11-17

STEERS: 300-500 lbs. Medium 1 53.00-64.00; Large 1 52.00-63.00; Small 1 43.00-55.50. 500-700 lbs. Medium 1 51.50-60.00; Large 1 54.00-61.00; Small 1 44.00-55.50. 700-1000 lbs. 49.00-58.00; Large 1 50.00-58.25; Small 1 44.00-53.75.

HEIFERS: 300-500 lbs. Medium 1 43.00-54.50; Large 1 45.00-55.00; Small 1 40.00-49.00. 500-700 lbs. Medium 1 41.25-52.50; Large 1 44.00-53.00; Small 1 38.75-47.00; 700-900 lbs. Medium 1 40.25-53.00; Large 1 53.75-47.50.

Southeast Va.
Auction Summary
August 11-17

STEERS: 300-500 lbs. Medium 1 53.25-64.50; Large 1 63.00-63.50. 500-700 lbs. 52.00-56.00; Large 1 50.50-54.75. 700-1000 lbs. 50.00-50.75.

HEIFERS: 300-500 lbs. Medium 1 43.00-49.00; Large 1 45.00-47.00; Small 1 41.00-45.00. 500-700 lbs. Medium 1 41.50-50.50; Large 1 42.50-45.00. 700-900 lbs. Medium 1 40.00-40.50.

Northern Va.
Auction Summary
August 11-17

STEERS: 300-500 lbs. Medium 1 50.00-62.50; Large 1 53.00-64.50; Small 1 50.00-61.50. 500-700 lbs. Medium 1 52.00-60.25; Large 1 53.50-58.00; Small 1 48.00-56.00. 700-1000 lbs. 48.50-56.75; Large 1 56.50-55.75.

HEIFERS: 300-500 lbs. Medium 1 42.75-53.50; Large 1 45.00-56.00; Small 1 40.00-48.00. 500-700 lbs. Medium 1 42.00-51.25; Large 1 45.00-53.00; Small 1 41.00-48.00. 700-900 lbs. Medium 1 42.00-50.75.

Shenandoah Valley Livestock

Harrisonburg, Va.
Saturday, August 13
Report supplied by auction

FEEDER CATTLE: Trend- All classes steady.

Steers: M&L-1 300-500 lbs. 55.00-62.50; 500-700 lbs. 50.00-60.00; 700-1000 lbs. 48.50-53.25; Holstein 300-1000 37.00-44.50. S-1&M&L-2 300-500 lbs. 53.00-61.50; 500-700 lbs. 47.50-51.50; 700-1000 lbs. 47.50-54.00. Feeder Bulls: M&L-1 300-500 lbs. 55.00-64.50. S-1&M&L-2 300-500 lbs. 45.00-56.00; 500-700 lbs. 45.00-50.00; 700-1000 lbs. 36.75-43.00. Heifers: M&L-1 300-500 lbs. 45.00-51.50; 500-700 lbs. 42.00-51.25; 700-800 lbs. 42.00-48.50. S-1&M&L-2 300-500 lbs. 40.00-51.50; 500-700 lbs. 28.50-47.00. Stock Cows: Beef 350.00-435.00. Baby Calves 20.00-65.00.

SLAUGHTER CATTLE: Heifers- Good 2-3 50.75.

SLAUGHTER COWS: Trend- Cows steady. Utility & Commercial 2-4 32.00-41.75; Canner & Cutters 1-3 27.00-33.00.

SLAUGHTER BULLS 1 & 2 41.75-51.50.

LAMBS: Trend .45 lower. High Choice & Prime 49.80; Choice 41.00; Feeder Lambs Choice 44.50; Head Ewes 36.00.

HOGS: US 1-3 200-240 lbs. 49.00; Sows 1-3 32.00-37.00; Boars 23.00.

VEAL: Good 50.00-56.00.

SLAUGHTER CALVES: Good & Choice 48.00-59.00.

Valley Livestock

Valley Stockyards
Athens, Pa.
Monday, August 15
Report supplied by auction

Holstein Hfr. Calves to 70.00; Veal Calves 65.00-74.00; Vealer Bull Calves 60.00-74.00; Slaughter Calves 42.00-55.00; Grassers & Feeders 36.00-50.00; Lambs 40.00-51.00; Sheep 13.00-15.00; Hogs, 200 to 250 46.00-54.50; Sows 36.00-41.00; Boars 26.00-31.50; Pigs 10.00-36.00; Heifers 42.00-49.00; Steers, good none; Steers, feeder 36.00-46.00; Bulls 44.00-51.75; Cows, utility 39.00-43.75; Cows, fat 39.00-42.00; Cows, medium 34.00-38.00; Cows, poor or small 25.00-33.00; Cattle market steady; Calf market steady; Horses none; Ponies to 70.00; Goats 15.00-39.00.

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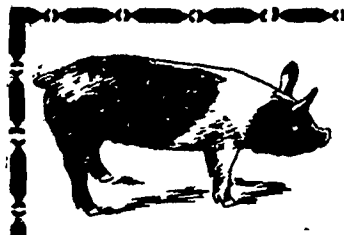

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Price of progress

BY DICK ANGLESTEIN

PROGRESS — Any dictionary gives a number of definitions for this word. But all of the them are centered on a meaning of moving ahead.

As Ag Progress is about to open at Penn State, it's appropriate to take a look at a few examples of agricultural progress.

The first area is animal genetics and reproduction, particularly in the dairy field. Likely no other area of agricultural technology has shown greater recent "progress" than dairy genetics and reproduction.

But has dairy genetics and reproductive technology become the vanguard and living laboratory for similar human genetic research? There have been some peculiarly similar parallels lately to indicate this supposition.

I just wonder if it doesn't bother some veterinarians and veterinary scientists that their techniques are being translated into the human arena. There's quite a difference between the two areas. It's one thing to artificially breed batches of super offspring from super cows and long-dead super sires. But it's quite another thing when this technology starts to creep into human reproduction.

Pioneer research in this area just beforc and during World War II was deplored by the entire world.

This area of ag progress brings to mind one of the many stories about the late "Dutch" Bucher, motorcycle-riding county agent in Lancaster County. Quite a few miles were put on those motorcycles as Dutch went from farm to farm giving his AI sales pitch in Pennsylvania Dutch. Without him the new technology would not have been as readily accepted among the Pennsylvania Dutch dairymen.

At one farm, Dutch gave his pitch out in the barnyard. When he was through, the husband and wife excused themselves and huddled for a conference.

Finally, they came back and told Dutch:

"We'll go along with you, Dutch, as long as they stick only to the cows."

Not bad advice to keep in mind these days -- quite a few decades later.

Another area of burgeoning ag technology in which Penn State is becoming particularly involved centers on computers. There are plans to make Penn State an Ag Computer Center for the Northeast.

Likely in not too many years, all of the state's Extension offices will be tied into the network. In addition to dialing into it, farmers will also have direct immediate electronic access to other things like DHIA records.

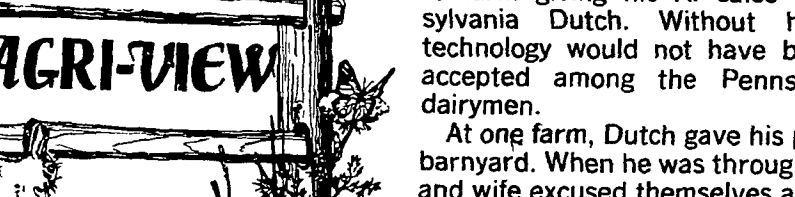
All of this is fine. Immediate, accurate information will permit farmers to react much more quickly to changing situations and improve their management.

But I just hope that county agent staffs don't go the way of the family doctor.

How many family doctors do you know that make house calls? Let's hope that county agents don't stop making farm calls in the future.

So as you walk through aisles of Ag Progress hearing and seeing new technology at every turn, keep these words in mind.

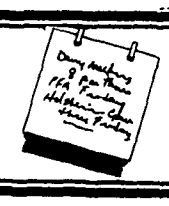
It's great to move ahead on the road of progress. But every once in a while a pause should be made along the way. A glance back will tell if the proper path was taken. And a glance ahead can tell if any adjustments in direction may be needed.



A progress

Penn State **August 23-25**

Farm Calendar



Saturday, Aug. 20

NE District 4-H Dairy Show, Hartford.

Central Pa. Holstein Championship Show, Huntingden.

Monday, Aug. 22

District Horse Production Show, Franklin.

Tuesday, Aug. 23

Penn State Ag Progress Days open, Rock Springs Ag Research Center. Continues through Thursday.

Featured at Ag Progress are the Pa. Hay Show and the Competitive Hay Crop Silage Show.

Penn Ag Democrats luncheon will take place at 11:30 a.m., Holiday Inn, State College.

Penn Ag Republican Summer Outing, Penns Cave, at 4:30 p.m.

Wednesday, Aug. 24

Performance Boar Sale, Meal Evaluation Center, Penn State, at 6 p.m.

NW Holstein Show, Crawford Co. Fair.

4-H Breed Show, Williamsport, at 1 p.m.

Lamb Pool, Wyalusing Sale Barn, from 9 to 11 a.m.

Lehigh Co. 4-H Market Swine Round-Up at Quakertown Livestock Market. Show is at 9 a.m. and the sale is at 4:30 p.m.

Thursday, Aug. 25

All-New Jersey Holstein Show at Mullica Hill.

Lancaster County 4-H Pig Round-Up at 8 a.m. at Lancaster Stockyards.

Friday, Aug. 26

Pa. Farm and Food Show, Point State Park, Pittsburgh.

SE District 4-H Dairy Show at 10 a.m. at Kutztown Fairgrounds.

Saturday, Aug. 27

NW Holstein Breeders Sale at Crawford Fair.

4-H District Horse Show, Kersey.

Forestry Safety Field Day, Fairgrounds at Smethport.

Horse exercise clinic, Journey's End Farm, Glenmoore. Continues tomorrow.

SE District 4-H Horse Show, 4-H Center, Lansdale.

Otis

THAT'S A HEALTHY, GOOD LOOKING HERD, YOU HAVE THERE OTIS, WHAT DO YOU FEED THEM?
WELL, THEY EAT A GOOD MIXTURE OF GRASS, ALFALFA, CORN AND...
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CHOMP CHOMP
GO

THE BIBLE SPEAKS

BY LAWRENCE W. ALTHOUSE

THE COST OF FRIENDSHIP
August 21, 1983

Background Scripture: 1 Samuel 18:1-9; 19:1-7; 20:1-42; 23:15-18; 2 Samuel

Devotional Reading: 1 Thessalonians 3.

Jonathan and David were the best of friends.

It is an interesting friendship, when you examine it closely, for there seemed to be a certain inequality about it. Jonathan appeared to give a lot more than he received. He was the son of King Saul and heir to the throne of Israel. David, on the other hand, came from a humble family. Even more than that, however, David stood as a threat to Jonathan's succession to the throne. For, although Jonathan had the legal right to that sucession, David obviously had the popularity from the people.

JONATHAN SPOKE WELL

Even from the beginning of their friendship we can see what it cost Jonathan. At their very first meeting Jonathan recognized that David was a man blessed with God's greatest gifts. In an act of typical unselfishness, Jonathan than "stripped himself of the robe that was upon him, and gave it to David, and his armor and even his sword and his bow and his girdle."

When Saul, unlike Jonathan, became increasingly bitter and jealous over David's mushrooming popularity, it was Jonathan who risked his father's ire by first warning David to hid himself and then persuading his father not to kill his friend as he had planned. In doing so, he risked his own relationship with his father.

But perhaps the greatest cost of their friendship was to be Jonathan's recognition that it was David, not himself, who was to be his father's successor. While David is in hiding at Horesh, Jonathan goes to him and declares: "Fear not; for the hand of Saul my father shall not find you; you shall be king over Israel, and I shall be next to you; Saul my father also knows this." With these words, Jonathan is willing to give up everything except his love for David and his recognition that his friend has been chosen by God to possess what had been his birthright.

WHAT JONATHAN GOT

Jonathan dreamed of that day when David would be king and he, Jonathan, would be his friend's right-hand man. It was a dream that he was not to realize. At Mount Gilboa he fell alongside his father in defeat at the hands of the Philistines.

Perhaps it might seem that Jonathan's life was snuffed out before he had ever had the chance to benefit from his friendship with David. We know what that friendship cost him, but perhaps we might overlook what that friendship brought him: the satisfaction of giving his love without counting the cost or worry about balancing the accounts. The epitaph David gave him, is evidence that Jonathan got as much out of the friendship as he put into it:

I am distressed for you, my brother Jonathan; very pleasant have you been to me; your love to me was wonderful, passing the love of women.

NOW IS THE TIME

By Jay Irwin

Lancaster County Agriculture Agent
Phone 717-394-6851

To Apply Lime When Seeding Small Grain

Preparation is being made for fall wheat and barley seeding. This is an excellent time to apply lime. A soil test will indicate how much per acre, if needed. This is doubly important if you plan to seed down a grass-legume mixture next spring.

Many times a clover or alfalfa producer will wait until spring to have lime applied to his field. This is not the best way to obtain a good stand. Lime needs up to six months to react in the soil and correct the acidity.

If soil needs lime, it should be worked into the topsoil when the small grain seedbed is being prepared. Legume seedings are costly; be sure the soil is between 6.8 to 7.0 pH so they have a good chance to survive.

To Not Hedge Crops You Don't Have

Hedging is one way of establishing the price you will receive for your crop. It helps guarantee you some income to cover your production costs. Many farmers have made good use of this technique by hedging part of their expected corn crop; the remainder of the crop they've decided to hold for the open market. When the price of corn goes up, as it has done, and it exceeds the price you're already contracted for, it may be very tempting to hedge even more of your crop in an effort to reap the profits of a stronger market. Watch out! Make sure you have enough crop to cover your contracts. Walk into the center of your corn fields — all your fields! Many of these fields look well-eared from the outside, but the centers may be 75-90% barren. And, when you've hedged more corn than you've got you've suddenly moved from a hedger to a speculator — from a position of guaranteeing a price on corn you have to a position where the risk of losses are great!

Be Cautious When Adding Water To Silage

Last week, in this column, it was pointed out that to raise the moisture content of dry silage 5 poings, from 55% up to 60%, would require about 30 gallons per ton. That is correct, but it deserves further elaboration. Corn silages will differ in their ability to absorb water, depending upon the condition of the crop going in, and the break down of the material once ensiled. If it doesn't get absorbed, it will run, and create real problems, especially in the bottom of the silo. The last thing you want to do is add so much water that you create excessive pressure on the structure or create wet conditions in the bottom of the silo that will encourage poor fermentation or freeze-up in the winter. So, if water has to be added for better preservation of dry material, do so carefully, and only to the silage in the upper portion of the silo.

To Plan Winter Cover Crops

This is a good time to give some thought to a winter cover crop on land that has been tilled this past season. The seeding of ryegrass, bromegrass, or winter grains following the harvesting of the main crop this fall, will help reduce soil erosion.

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BEST IN DESIGN, PRICE AND EXPERIENCE

Livestock market and auction news

Leesport Livestock

Wednesday, Aug. 17
Report supplied by PDA

CATTLE 319: Compared with last Wednesday's market, slaughter steers grading Good & Choice steady to weak, Standard & Low Good 1.00-1.50 lower. Slaugher cows 2.00-3.00 lower. Slaughter bulls unevenly steady. Choice 1000-1300 lbs. slaughter steers 59.50-61.85, Good & Choice holsteins 1260-1500 lbs. 54.10-58.00, Good 55.00-59.25, few down to 53.00, Standard 48.00-53.00, Utility & Low Standard 43.75-48.00. Few Choice slaughter heifers 54.25-56.00, Good 48.75-54.35, few Standard 46.00-48.00. Utility & Commercial slaughter cows 39.50-41.75, one at 43.00, Cutters 36.75-40.00, Canner & Low Cutter 31.50-37.00, Shells down to 25.00. One Choice slaughter bullock at 57.00, Good 50.60-55.85, Standard 47.00-50.25. Yield Grade #1 1125-2100 lbs. slaughter bulls 48.00-54.75, one at 55.75; few yield grade #1 1090-1175 lbs. 44.75-49.00. Few Large & Medium Frame #1 470-810 lbs. feeder steers 58.50-61.00, few large Frame #2 340-715 lbs. 41.25-52.50, few Small Farme #1 355-425 lbs. 51.50-57.00; few Large Frame #1 670-815 lbs. feeder heifers 41.25-44.50; Medium & Small Frame #1 385-440 lbs. feeder bulls 44.00-54.50, few Large & Medium Frame #1 730-855 lbs. 43.50-49.50.

CALVES 167: Vealers steady to $3 lower. Few Choice vealers 80.00-84.00, Good 60.00-75.00, few Standard & Good 110-130 lbs. 52.00-60.00, 90-110 lbs. 48.00-53.00, 70-85 lbs. 40.00-48.00, few Utility 90-110 lbs. 40.00-45.00, 60-85 lbs. 30.00-40.00. Farm calves, holstein bulls 90-125 lbs. 70.00-82.00, few down to 55.00; Slaughter calves, grading Good & Choice 225-400 lbs. 60.00-70.00.

HOGS 252: Barrows & gilts 1.75-2.25 higher. US No. 1-2 200-255 lbs. barrows & gilts 52.50-53.00, No. 1-3 195-255 lbs. 51.75-52.00, one lot 51.25, one lot No. 2-3 325 lbs. 42.75, one lot No. 1-3 185 lbs. 46.00. Sows steady. US No. 1-3 300-530 lbs. sows 35.00-38.00, few 39.00, few No. 2-3 365-665 lbs. 34.50-35.50. Few Boars 32.00-33.00, few light weights 34.50-38.00.

FEEDER PIGS 326: US No. 1-3 20-30 lbs. feeder pigs 74.00-76.00, one lot 82.00 cwt., No. 1-3 30-60 lbs. 49.00-64.00, few to 68.00, few No. 1-3 110-175 lbs. 41.00-47.50, one lot Utility 32 lbs. 50.00 cwt., few No. 1-3 15-20 lbs. 15.00-17.00 per head.

SHEEP 29: Few Choice 55-125 lbs. spring slaughter lambs 48.00-56.00, one at 60.00, few Good 55-80 lbs. 35.00-40.00. Few Slaughter sheep 9.00-23.00.

GOATS 11: Few Adults 22.00-23.00, few kids 12.00-20.00 per head.

Lebanon Valley Livestock

Fredericksburg, Pa.
Tuesday, Aug. 16
Report Supplied by PDA

CATTLE 260. Few High Choice & Prime 1140-1320 lbs. slaughter steers 63.35-63.75, Choice No. 2-4 1030-1380 lbs. 61.75-64.00, one at 64.50, few 875-1000 lbs. 59.35-60.50, Good 57.50-61.00, one at 61.75, Good & Choice holsteins 53.35-56.35, Standard 50.10-52.75, few Utility 40.00-48.00. Choice No. 3-5 840-1020 lbs. slaughter heifers 55.85-60.00, few High Choice 59.00-60.25, few Standard & Good 47.85-53.00, few Utility 40.00-45.75. Utility & Commercial slaughter cows 40.00-43.00, few to 44.50, Cutters 38.00-41.75, Canner & Low Cutter 34.00-38.00, Shells down to 25.00. Few Good slaughter bullocks 50.00-51.25, Standard 44.60-49.50, few Utility 37.25-44.25. Yield grade #1 1190-1535 lbs. slaughter bulls 51.50-52.85, one at 53.85, few down to 48.10. Few Large Frame #2 335-590 lbs. feeder steers 42.00-46.00; few Large Frame #2 350-845 lbs. feeder bulls 39.00-44.50.

CALVES 240. Few Choice vealers 75.00-79.00, few Good 61.00-70.00, Standard & Good 90-110 lbs. 47.00-54.00, 65-90 lbs. 42.00-49.00, Utility 50-120 lbs. 30.00-40.00. Farm calves, holstein bulls 90-125 lbs. 53.00-79.00, mostly 62.00-77.00; few holstein heifers 110-120 lbs. at 57.00.

HOGS 130. Few US No. 1-2 225-245 lbs. barrows & gilts at 53.00, No. 1-3 215-235 lbs. 52.00-53.00, few No. 2-3 225-285 lbs. 51.35-52.25, 210-220 lbs. 51.25-52.60. US No. 1-3 325-620 lbs. sows 35.00-38.50, one at 40.00, few No. 2-3 420-490 lbs. 33.50-34.00. Boars 29.50-30.00.

FEEDER PIGS 26. US No. 1-330-60 lbs. 40.00-61.00 cwt.

SHEEP 36. Few Choice 75-100 lbs. spring slaughter lambs 39.00-45.00, Good 72-110 lbs. 28.00-39.00. Slaughter sheep 12.00-29.00, one at 25.00.

GOATS 1. 10.00 per head.

Greencastle Livestock

Greencastle, Pa.
Monday, Aug. 15
Report Supplied By Auction

CATTLE: Butcher Steers-Choice 61.00-63.00; Butcher Steers-Medium-Good 48.50-61.50; Butcher Heifers-Choice up to 60.00; Butcher Heifers-Medium-Good 45.00-58.00; Butcher Cows-Utility-Good 39.00-43.50 few to 46.00; Butcher Cows-Canners and Cutters 36.00-42.00; Butcher Cows-Shells 32.00-37.00; Butcher Bulls-Medium-Good 44.00-54.00; Stock Steers-Medium-Good up to 67.50; Stock Heifers-Medium-Good up to 51.00.

CALVES: Medium-Good Calves-160-220 lbs. 76.00-84.00; Medium-Good Calves-125-160 lbs. 60.00-75.00; Medium-Good Calves-100-120 lbs. 50.00-65.00; Medium-Good Calves-80-100 lbs. 45.00-50.00; Holstein Bull Calves up to 90.00; Holstein Heifer Calves up to 73.00; Light and Green Calves down to 20.00.

SHEEP and LAMBS: Medium-Good Lambs 40.00-45.00; Butchering Ewes and Bucks up to 17.00.

HOGS: Good-Choice Butcher Hogs 190-225 lbs. 48.00-50.25; Good-Choice Butcher Hogs 225-250 lbs. 49.00-50.25; Good-Choice Butcher Sows 400 lbs., up to 37.00; Good-Choice Butcher Sows 400 lbs., up to 39.25; Heavy Boars up to 29.50; Pigs-Per Head 7.00-21.00.

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Livestock market and auction news

New Wilmington Livestock

New Wilmington, Pa.
Monday, Aug. 15
Report supplied by PDA

CATTLE 261: Compared with last Monday's market, slaughter cows .50 to 1.00 lower. Few Choice slaughter steers 59.50-63.00, couple Good at 55.00, Standard 48.00-52.00, few Utility 42.00-45.00. Good slaughter heifers 51.75-54.50, standard 43.50-49.25, Utility 39.00-43.50. Utility & Commercial slaughter cows 40.00-44.50, one at 46.00, Cutters 37.00-41.25, Canner & Low Cutter 30.00-37.25, Shells down to 25.00. Few Standard slaughter bullocks 45.25-47.25. Yield Grade #1 1170-2160 lbs. slaughter bulls 48.00-51.00, few to 56.00; few yield grade #2 995-1525 lbs. 38.50-43.00. Medium & Large frame #1 400-675 lbs. feeder heifers 40.00-46.0, Medium & Large Frame #2 340-690 lbs. 30.00-39.00; Medium & Large Frame #1 400-670 lbs. feeder bulls 39.50-46.00, Medium & Large Frame #2 330-610 lbs. 32.00-40.25.

CALVES 252: Vealer steady. Choice vealers 77.00-90.00, one at 95.00, Good 68.00-80.00, Standard & Good 90-125 lbs. 40.00-57.50, 65-85 lbs. 37.00-42.00, Utility 45-60 lbs. 20.00-24.00. Farm calves, holstein bulls 95-130 lbs. 57.00-65.00; holstein heifers 80-110 lbs. 47.50-52.00.

HOGS 482: Barrows & gilts 3.50-4.00 higher. US No. 1-2 210-245 lbs. barrows & gilts 51.50-53.00, No. 1-3 195-250 lbs. 50.35-51.85, No. 1-3 170-190 lbs. 47.25-49.50. Sows 6.00 higher. US No. 1-3 300-585 lbs. sows 36.00-41.75. Boars 31.00-34.00.

FEEDER PIGS 92: US No. 1-3 15-30 lbs. feeder pigs 9.00-15.00 per head, No. 1-3 35-45 lbs. 20.00-26.00, No. 1-3 60-75 lbs. 32.00-39.00 per head.

SHEEP 192: Choice & Prime 70-105 lbs. spring slaughter lambs 45.00-56.00; one lot 59.00, Good 65-85 lbs. 30.00-43.00, mixed Good to Low Choice 85-110 lbs. buck lambs 25.00-30.00. Slaughter ewes 8.00-18.00.

Four States Livestock

Hagerstown, Md.
Wednesday, August 10
Report supplied by auction

SLAUGHTER: Fed Steers- Steady prices. Choice 56.00-57.00; Good 51.00-55.00; Medium 50.00 down. Heifers- Choice 52.00-54.75; Good 47.00-51.00; Medium 46.00 down. Cows- 2.00 lower. High Yield 41.00-41.75; Average 37.00-40.00; Big Middle 32.00-36.00; Fatty Herf. 31.00-35.00; Shelly 34.00 down. Fat Bulls- 2.00 lower. Good 47.50-49.00; Medium 43.00-47.00. Veal Calves- Mostly steady. Choice 70.00-78.00; Good 60.00-69.00; Medium 50.00-59.00; Farm Hfrs. to 60.00; Farm Bulls to 83.00; Light & Weak 43.00 down. Lambs- Steady prices. Choice 49.00-52.00; Good 43.00-48.00; Medium 42.00 down.

STOCKER: Steers 300-550 lbs.- 2.00 lower. Choice 54.00-55.00; Good 50.00-53.00; Medium 44.00-49.00; Culls 43.00 down. Steers 600-850 lb. Choice 51.00-54.00; Good 45.00-50.00; Medium 44.00 down. Heifers (All Weights). Choice 48.00-54.00; Good 42.00-47.00; Medium 41.00 down. Bulls- Choice 54.00-61.00; Good 46.00-53.00; Medium 45.00 down. Dairy Cows- to 500.00. Springing Heifers- to 710.00. Pigs, Hd.- 1.00-3.00 lower. 20-30 lb. 13.00-17.00; 40-60 lb. 17.50-27.00. Shoats by lb.- to 42.00. Slaughter Hogs- 1.00 higher. 225-235 lb. 48.00-48.35; 240-260 lb. 47.75-48.25; 200-220 lb. 45.00-47.50. Sows- 300-550 lb. 34.00-37.75.

New Holland Dairy

New Holland Sales Stables
Wednesday, August 17
Report supplied by auction

Reported receipts of 146 cows, 119 heifers, and 3 bulls.
Market lower.

Load of Pa. Fresh cows 910.00-1100.00; springers 800.00-1100.00, one purebred cow 1700.00.

Load of Franklin Co. Fresh cows 710.00-1500.00; springers 685.00-960.00, one purebred cow, 1900.00.

Load of Canadian Pure & Grades cows 775.00-1500.00; springers 730.00-1050.00, one purebred cow 2000.00.

Load of Pa. Fresh cows 760.00-1125.00.

Load of Pa. Fresh cows 640.00-1100.00.

Load of Pa. Fresh cows 750.00-910.00.

Load of Conn. Fresh cows, 675.00-935.00; springers 685.00-950.00.

Locally consigned cows 380.00-820.00.

Springing heifers 550.00-975.00.
Bulls 250.00-610.00.

Lancaster Feeder Cattle

Friday, August 12
Report supplied by USDA

Today	217
Last Friday	407
Last Year	202

TREND: Not comparable; market not reported in recent weeks. Supply included four lots of 45 head in graded sale, balance mainly in lots of three or less.

FEEDER STEERS: Medium Frame 1: Few lots 500-1035 lb. 56.10-57.50. Medium and Large Frame 1-2: One lot 770 lb. 53.75. Large Frame 2 Holsteins: Couple lots 770-1080 lb. 42.50-43.50.

New Holland Horse

New Holland Sales Stables
Monday, August 15
Report supplied by auction

Reported receipts of 233 head of horses, mules, and ponies.
Market: stronger.

LOCAL

Registered Horses 850.00-1300.00.
Better Horses 450.00-850.00.
Driving horses 375.00-975.00.
Riding horses 300.00-400.00.
Lightweight killers 300.00-400.00; Heavyweight killers 425.00-545.00.
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Livestock market and auction news

St. Louis Cattle

Thursday, August 18
Report supplied by USDA

Receipts This Week	4,500
Week Ago	4,100
Year Ago	3,900

Compared to the previous week, Slaughter Steers mostly 1.00 higher. Slaugher Heifers mostly .50 higher. Cows fully 3.00 lower. Bulls unevenly 1.00-3.00 lower. Slaughter supply mainly Choice Slaughter Steers, around 30% Heifers and 10% Cows.

SLAUGHTER STEERS: Mixed Choice and Prime 2-4 1050-1250 lbs. 62.00-62.50, part load 62.75. Choice 2-4 975-1275 lbs. 61.00-62.00. Mixed Good and Choice 2-4 900-1200 lbs. 59.00-61.00. Good 2-3 900-1175 lbs. 57.00-59.00. Mostly Good 2-3 1050-1350 lb. Holsteins 50.00-54.50, load 55.50. Couple lots Mixed Good and Choice 2-3 1150-1300 lbs. 57.75 and 58.00. Standard to Good 2-3 950-1350 lbs. 45.00-48.50.

SLAUGHTER HEIFERS: Mixed Choice and Prime 2-3 900-1100 lbs. 59.50-60.00, load 60.50. Choice 2-4 850-1050 lbs. 58.00-59.50. Mixed Good and Choice 2-3 850-1050 lbs. 56.00-58.50. Good 2-3 750-950 lbs. 53.00-56.00.

COWS: (Closing week sales) Utility and Commercial 2-4 34.00-36.00. Boning Utility 1-2 36.00-38.00. High-yielding Utility 1-2 38.00. Cutter 1-2 33.00-35.00. Canner and low Cutter 1-2 30.00-33.00. Few shelly canner 25.00-30.00.

BULLS: YG 1-2 1050-2000 lbs. 45.00-52.00, closing 45.00-49.75, mostly 45.00-49.00.

FEEDERS: (Included around 1,200 at the regular Thursday auction). Feeder steers and heifers 1.00-3.00 lower. Supply mainly medium frame 1 and mixed 1-2 450-800 lb. steers and 450-700 lb. heifers. Moderate buyer attendance.

FEEDER STEERS: Medium Frame 1: 425-500 lbs. 58.00-60.25; 500-600 lbs. 56.00-58.50; 600-750 lbs. 55.00-58.50; few lots fleshy 850-925 lbs. 54.75-55.75.

Medium Frame 1-2 and some small frame 1: 475-575 lbs. 52.25-55.00; 650-900 lbs. 50.00-55.00.

Large Frame 2 Holsteins: Lot 380 lbs. 46.00; several lots 400-925 lbs. 39.00-43.50.

FEEDER HEIFERS: Medium Frame 1: 450-750 lbs. 47.00-51.00.

Medium Frame 1-2 and few small frame 1: 450-750 lbs. 42.50-46.50.

Oklahoma Cattle

Wednesday, August 17
Report Supplied by USDA

Same Day Last Week: 13,215

Trade moderately active. Demand good. Feeder steers under 500 lb. steady to weak in limited test, over 500 lb. weak to 1.00 lower. Feeder heifers limited sales about steady. Bulk of receipts medium Frame 1 and Mixed 1-2 550-900 lb. feeder steers and 600-700 lb. feeder heifers. Good buyer attendance.

FEEDER STEERS: MEDIUM FEW LARGE FRAME 1: Couple lots 355-365 lb. 70.00-70.50; 400-500 lb. 63.75-65.50; 500-600 lb. 59.50-62.50; 600-700 lb. 57.80-61.80; 700-800 lb. 57.50-60.50; 800-910 lb. 56.40-59.20.

MEDIUM AND LARGE FRAME MIXED 1-2. One lot 450 lb. 61.80; 500-600 lb. 57.55-59.40; 600-800 lb. 56.25-58.00; one lot 675 lb. thin and gaunt 60.90.

FEEDER HEIFERS: MEDIUM FEW LARGE FRAME 1: 425-475 lb. 53.50-54.80; 500-800 lb. 51.00-53.40.

Medium and Large Frame Mixed 1-2 385-500 lb. 51.80-52.00; 500-800 lb. 47.00-50.90.

Compared to last Wednesday, feeder steers and heifers under 500 lb. firm to 2.00 higher early in the week but hardly tested in mid-week trade. Feeder steers over 500 lb. 2.00-3.00 lower. Feeder heifers over 500 lb. mostly 2.00 lower. Slaughter cows were 1.00-2.00 lower with utility and commercial 2-3 37.30-38.90; cutters 1-2 34.75-37.60; canners and low cutters 30.80-34.90. Slaughter bulls also closed 1.00-2.00 lower in limited test with YG 1 1350-1450 lb. 45.00-47.50; 1550-2150 lb. 48.00-54.00. This week's salable receipts estimated at 21,500 head compared with 21,478 head last week and 25,272 head last year. The bulk of the receipts consisted of feeder steers and heifers; cows and bulls made up about 7 percent of salable supply.

Belknap Livestock

Dayton, Pa.
Wednesday, August 17
Report Supplied By Auction

CATTLE 55. Compared with last Wednesday's market; Choice steers (one) at 60.00, one Standard at 49.00. One Prime 1560 lbs. slaughter heifer at 57.25, one Standard at 45.00. Few Utility & Commercial slaughter cows 39.50-42.75, one at 46.00, few Cutters 38.00-40.25, Canner & Low Cutter 30.00-37.25. One Standard slaughter bullock at 49.00. One Yield Grade #1 1560 lbs. at 48.75. Medium Frame #2 390-610 lbs. feeder bulls 41.00-45.00.

CALVES 75. One Choice vealer at 79.00, few Good 63.00-67.00, Standard & Good 90-110 lbs. 44.00-54.00, 65-85 lbs. 36.00-47.00, Utility 35-110 lbs. 21.00-35.00. Farm calves, holstein bulls 90-125 lbs. 54.00-80.00; beef cross bulls & heifers 50-90 lbs. 50.00-67.50.

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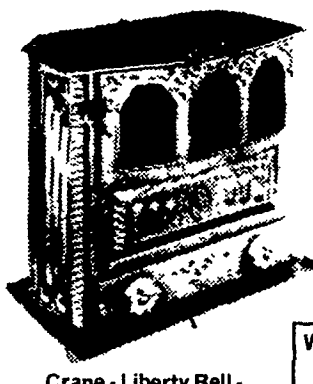
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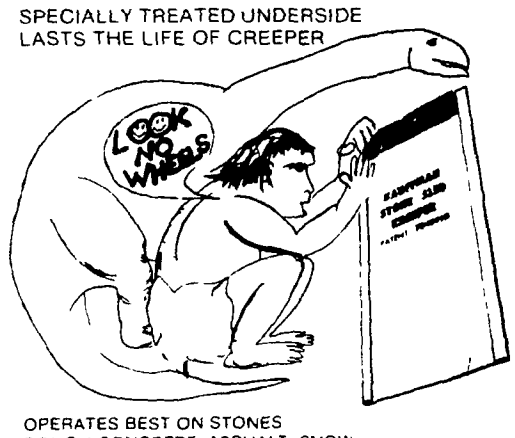

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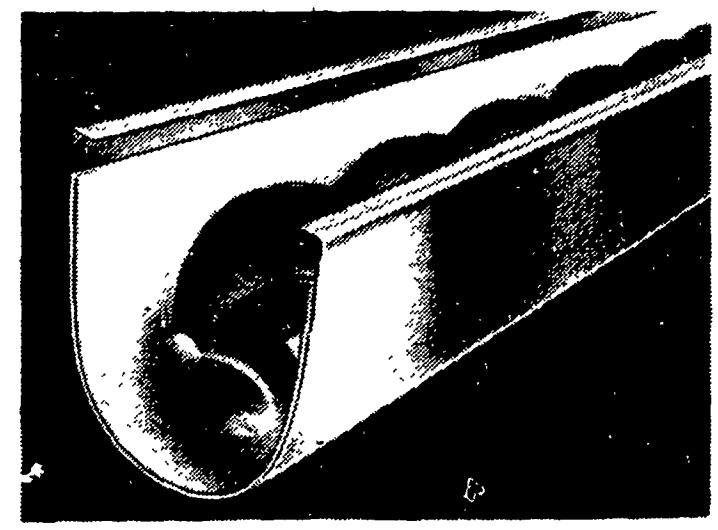
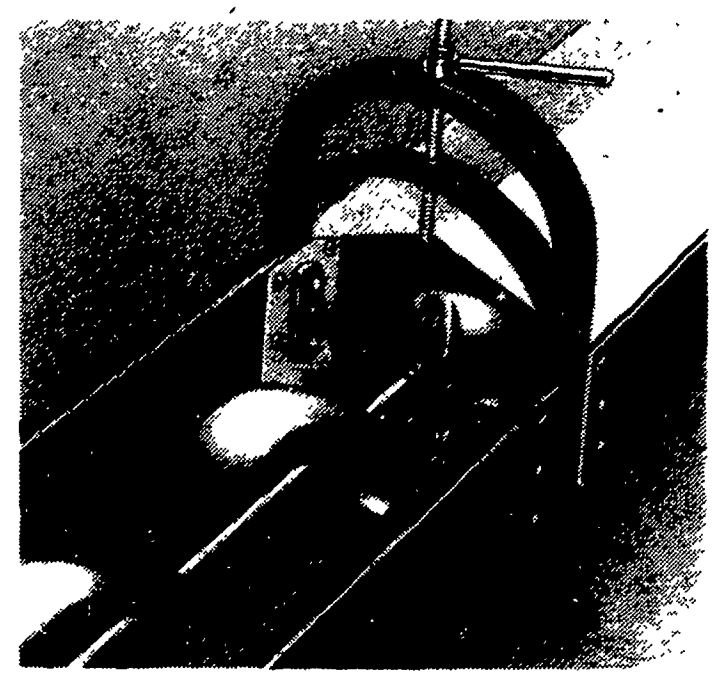

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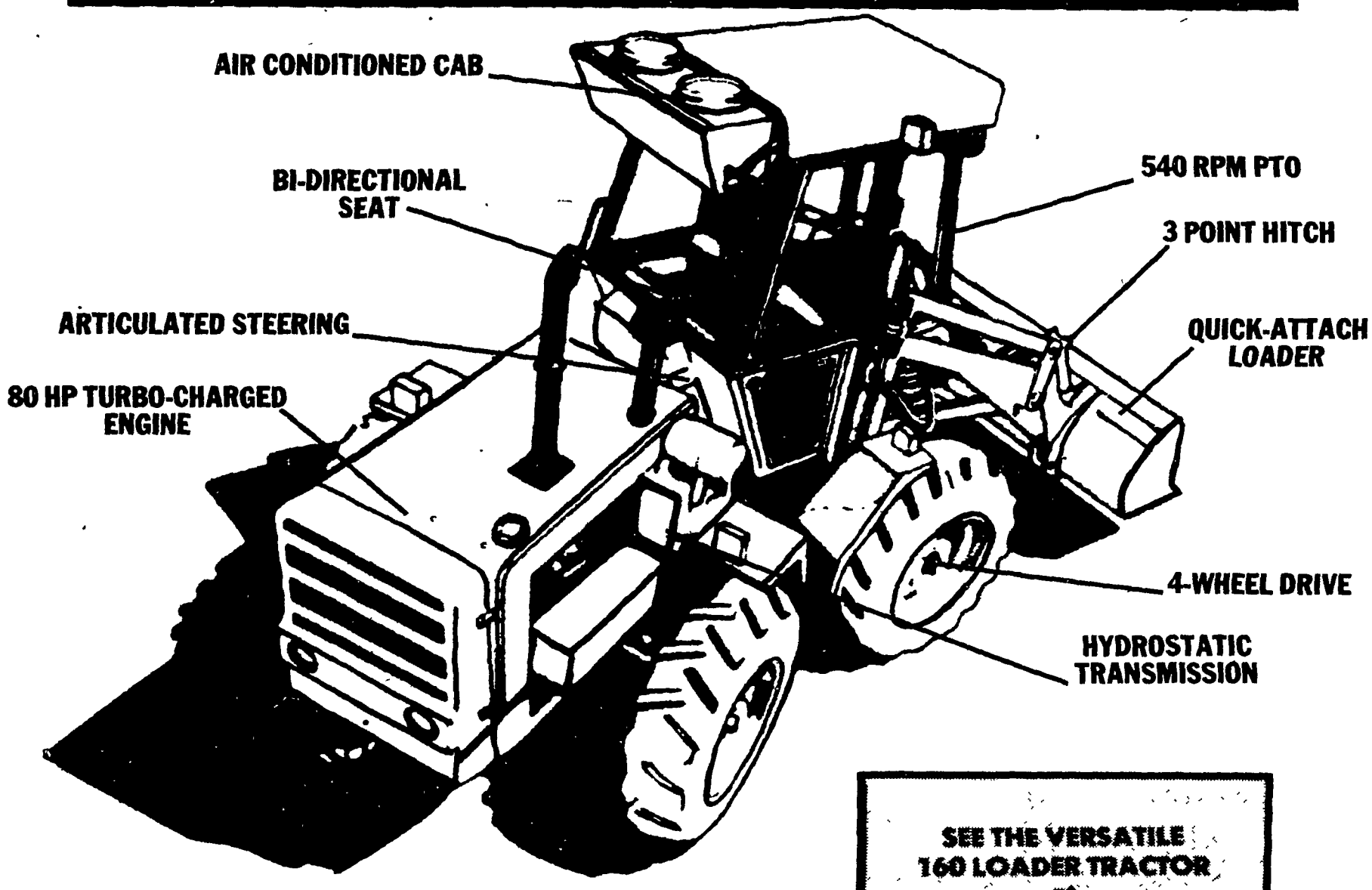

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Livestock market

Weekly Summary

Friday, August 19
Report supplied by PDA

Markets: 16.

CATTLE: 8376. Compared with 8187 head last week, and 6607 head a year ago. Compared with last week's market: Slaughter steers uneven, mostly steady to .50 lower; Sl. heifers & cows steady to 2.00 lower; Sl. bullocks & bulls uneven. Sl. steers: High Choice & Prime No. 3-4, 63.00-65.75; Choice NO. 2-4 59.00-63.75; Good 55.00-60.00; Standard 48.00-55.00. Sl. heifers: Choice 54.50-59.50; Good 50.00-55.00; Standard 45.00-52.00. Sl. cows: Utility & Commercial 39.50-43.00, few to 45.75; Cutters 38.00-40.50, few to 43.50; Canner & L. Cutter 32.00-38.00; Shells down to 25.00. Sl. bullocks: Choice 53.00-57.75; Good 50.00-54.00; (few) Standard 45.50-50.25. Sl. bulls: Yield Grade No. 1, 1000-2400 lbs. 48.00-55.10; Yield Grade No. 2, 900-1500 lbs. 45.00-50.00.

FEEDER CATTLE: Steers, Medium Frame No. 1, 350-850 lbs. 49.00-58.00, few to 62.00; Large Frame No. 2, 350-750 lbs. 41.25-46.00. Heifers, Medium Frame No. 1, 400-650 lbs. 40.00-50.00. Bulls, Medium Frame No. 1, 400-670 lbs. 44.00-61.00.

CALVES: 4835. Compared with 4398 head last week and 4213 head a year ago. Vealers grading Good & Choice 1.00-3.00 higher, Standard & Good steady to 2.00, spots 10.00 lower. (few) Prime 85.00-105.00; Choice 75.00-85.00; Good 60.00-76.00; (few) Standard & Good 110-130 lbs. 52.00-65.00; 90-110 lbs. 44.00-55.00; 65-90 lbs. 38.00-48.00; Utility 50-110 lbs. 30.00-42.00.

FARM CALVES: Hol. Bulls 90-125 lbs. 50.00-99.00, mostly 57.00-83.00; Hol. Heifers 90-130 lbs. 47.50-65.00. Beef Cross Bulls & Heifers: 75-110 lbs. 47.00-79.00.

HOGS: 7637. Compared with 6871 head last week and 7318 head a year ago. Barrows and gilts mostly 3.00-3.50 higher. US No. 1-2 200-245 lbs. 52.50-54.75, some sales to 55.50; US No. 1-2 200-245 lbs. 52.50-54.75, some sales to 55.50; No. 1-3 200-250 lbs. 51.25-53.00; No. 2-3 200-285 lbs. 48.00-52.25; (few) No. 1-3 140-190 lbs. 46.00-49.50; Sows 1.00-2.00 higher. US No. 1-3 300-650 lbs. 34.00-38.50; No. 2-3 300-650 lbs. 29.25-35.50. Boars 28.00-34.00.

FEEDER PIGS 1768. Compared with 1544 head last week and 833 a year ago. Steady to 4.00 higher per head. US No. 1-3 20-35 lbs. 12.00-22.00; No. 1-3 35-50 lbs. 19.00-35.00; (few) No. 1-3 50-75 lbs. 30.00-39.00.

2 GRADED FEEDER PIG SALES: 1653. Compared with 2614 head last week, and 2099 head a year ago. All sales by CWT. Feeder Pigs strong to 10.00 higher per hundredweight. US No. 1-2 20-25 lbs. 76.50-80.00, 30-40 lbs. 60.00-74.00, 40-50 lbs. 56.00-69.50, 50-60 lbs. 52.00-58.00, 60-70 lbs. 51.00-61.00; US No. 2-3 30-40 lbs. 60.00-69.00, 40-60 lbs. 47.00-55.00.

SHEEP: 1180. Compared with 885 head last week and 890 head a year ago. Spring sl. lambs uneven. High Choice & Prime 70-115 lbs. 50.00-61.00; Choice 75-110 lbs. 43.00-56.00; Good 50-90 lbs. 35.00-48.00; Utility 40-70 lbs. 30.00-41.50. Sl. ewes: 9.00-24.00.

Eighty-four Livestock

Eighty-four, Pa.
Monday, Aug. 15
Report supplied by auction

CATTLE 363: Good slaughter steers 55.50-59.00, Standard 50.00-55.00. Good slaughter heifers 54.00-59.00, Standard 48.00-52.00. Utility & Commercial slaughter cows 40.50-42.00, Cutters 35.00-40.50, Canner & Low Cutter 31.00-36.50, Shells down to 25.00. Yield Grade #1 1000-2000 lbs. slaughter bulls 49.00-57.25; yield grade #2 900-1400 lbs. 45.00-50.00. Feeder steers 49.00-58.00; feeder heifers 48.00-50.00.

CALVES 271: Choice vealers 70.00-79.00, good 63.00-70.00, Standard & Good 70-110 lbs. 49.00-58.00. Farm calves, holstein bulls 90-120 lbs. 60.00-80.00.

HOGS 49: US No. 1-2 200-240 lbs. barrows & gilts 47.75-50.25, few No. 1-3 200-250 lbs. 47.00-48.00. US No. 1-3 350-500 lbs. sows 36.00-38.25, No. 2-3 400-500 lbs. 33.00-36.50. Boars 26.75-30.50.

FEEDER PIGS 23: US No. 1-3 35-40 lbs. feeder pigs 16.00-26.00 per head.

SHEEP 219: Choice 75-95 lbs. spring slaughter lambs 43.00-45.00, Good 75-85 lbs. 38.00-43.25, 60-75 lbs. 35.00-44.75, Utility 40-65 lbs. 30.00-35.00. Slaughter ewes 11.00-19.00.

Peach market news

Wednesday, August 17
Report supplied by PDA

This fifth week of the 1983 Peach Market News comes to you with our reporters indicating a weak-slow market for peaches 2" minimum. The demand for 2¼" up peaches is stronger. Large peaches are relatively scarce even so the prices quoted reflects a continued drop of $2.00 to $3.00. Smaller sizes are moving slow at prices slightly below last week.

SUMMARY

The prices reported below are the latest wholesale, truckload, f.o.b. peach prices for Adams, Franklin, York and Berks counties: 38# cartons U.S. Extra #1, 2¼" up, Sun High 10.00-11.00; 38# cartons U.S. Extra #1, 2 1/8" up Loring 7.00-8.00; 38# cartons U.S. Extra #1, 2" up Sun High, Loring 6.00-7.00; ½ bu. crates orchard run Red Haven, Sun High 5.50-6.00; 25# boxes, yellow nectarines, U.S. Extra #1 9.00; ½ bu. orchard run nectarines (yellow flesh) 6.00-6.50.

APPLES: 12/3# bags Beacon, Summer Rambo 7.00-8.50; Bushels Orchard Run Lodi, - Beacon, Rambo 4.50-5.00.

BALTIMORE WHOLESALE MARKET: 38# U.S. Extra #1 2½" min. (yellow flesh) 12.50; 38# U.S. Extra #1 2¼" min. (yellow flesh) 7.00-7.50; 38# U.S. Extra #1 2" min. (yellow flesh) 3.50-4.00; sales on small 2" min. very slow.

APPALACHIAN FRUIT REPORT: Supply very heavy on small fruit. Prices falling daily 2¼" up very scarce. 38# U.S. Extra #1 2¼" up 9.00-10.00 m. 10.00; 38# U.S. Extra #1 2" up 6.00-7.00 m. 6.00; 38# U.S. Extra #1 2" min. almost no market.

NEW JERSEY: Slow movement - Market dragging. Small sizes very hard to sell. 38# U.S. Extra #1, 2½" min. 12.00-13.00 m. 12.00; 38# U.S. Extra #1 2¼" min. 9.00-10.00; 38# U.S. Extra #1 2 1/8" min. 7.00-7.50 m. 7.00; 38# U.S. Extra #1 2" min. 4.00-4.50 m. 4.00.

PA. RETAIL PRODUCE

Thursday, Aug. 18, 1983
Report Supplied By PDA

Apples - Average Prices: 1.20 ¼ peck; 1.35 ½ peck; 2.80 peck; 5.25 ½ bushel; 6.99 bushel.

Lodi Apples - 1.45 ¼ peck; 1.95-2.65 ½ peck; 3.95 ½ bushel; Red Delicious-.79/lb.

Peaches - .39-.49/lb.; 1.00-1.65 qt; 2.75-2 qt.; 3.75-4.65; ½ peck; 7.50 peck; 9.95-14.95 bushel.

Potatoes - .25/lb.; .59/qt; 99 ¼ peck; 1.95 ½ peck.

Hot Papens - .05/each; 1.25 ¼ peck; 2.50 ½ peck.

Bell Pepens - 5/1.00; 2.00 ½ peck.

Radishes - .30/bunch.

Zucchini and Summer Squash - 35 cents each and 35 cents/lb.

Tomatoes - .40-.79/lb.; $5/10 lbs.; Hydroponic .79 lb.

Green Beans and Yellow Beans - .75/lb; .77/qt; 1.25 ¼ peck; 2.00 ½ peck; 6.00 ½ bushel; 11.65 bushel.

Italian Beans - .75 lb.; Wax Beans .59 lb; Broccoli .79/head.

Red Beets - .50/bunch; Cabbage .19 lb.

Cucumbers - 4/100 to 5/100.

Pickling Cucumbers - . 10 each; 3.95 peck.

Cauliflower - .75-1.50/head; average 1.05 each.

Cantalope - .49-1.79 according to size. Ave-large 1.40; medium 1.15; small .69.

Watermelon - 1.75-5.25 according to size.

Cider - 2.50 gal.

Honey - 1.75 lb.

Onions - .35/lb.

Parsley - .29/bunch.

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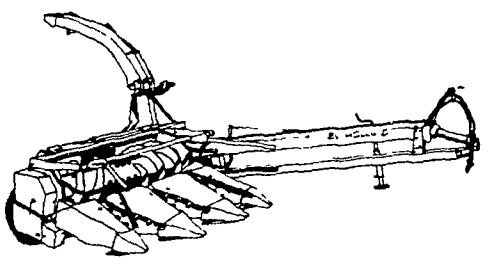

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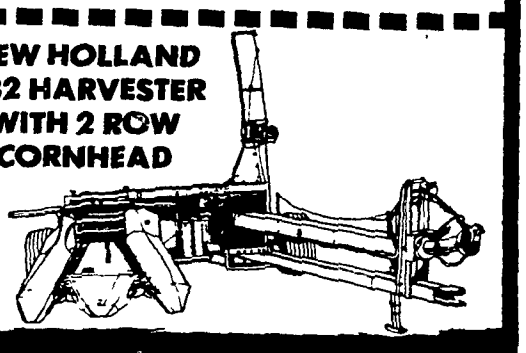

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Livestock market and auction news

Indiana Livestock

Homer City, Pa.
Thursday, Aug. 18
Report Supplied By PDA

CATTLE: 123. Compared wioth last week's market: Sl. cows mostly 1.50 lower. Sl. steers: Choice 57.50-60.00, (few) Good 51.50-58.00; Standard 49.00-52.75; Utility 43.00-46.25. Sl. heifers: one Choice at 58.50; (few) Standard 48.00-51.00. Sl. cows: Utility & Commercial 39.75-43.75, few 44.50-46.50; Cutters 37.50-40.25; Canner & L. Cutter 32.00-37.50. Sl. bulls: individual Yield Grade No. 2, 1350 lbs. at 48.25.

FEEDER CATTLE: Steers, Medium Frame No. 1, 660-870 lbs. 48.00-52.00. Heifers, (few) Medium & Large Frame No. 1, 325-680 lbs. 46.00-52.75; (few) No. 2, 375-500 lbs. 36.00-45.00.

CALVES: 143. Vealers 3.00-5.00 higher. (few) Choice 78.00-88.00; Good 65.50-76.50; (few) Standard 54.00-59.00; Standard & Good 90-120 lbs. 51.00-56.00; 65-85.

FARM CALVES: Hol. Bulls 90-125 lbs. 54.00-74.00 (few) Hol. Heifers 80-110 lbs. 53.50-60.00. Beef Cross Bulls & Heifers 70-105 lbs. 52.00-60.00.

HOGS: 139. Barrows and gilts 4.50 higher. US No. 1-2 220-245 lbs. 53.75-54.50 No. 1-3 200-250 lbs. 51.75-53.00, lot at 51.00; No. 2-3 230-260 lbs. 50.00-50.50, lot 315 lbs. at 47.00; Sows 2.00-4.00 higher. US No. 1-3 260-725 lbs. 34.25-40.75. Boars 33.00-35.00.

FEEDER PIGS: 38. (few) US No. 1-3 25-30 lbs. 15.00-16.00 per head; No. 1-3 35-45 lbs. 22.00-28.50; lot 60 lbs. at 32.00 per head.

SHEEP: 31. high Choice & Prime 90-100 lbs. sl. lambs 48.50-50.50; lot mixed good & choice 65 lbs. at 43.00.

Chambersburg Auction

Chambersburg, Pa.
Thursday, Aug. 18
Report Supplied by PDA

CATTLE: 366. Compared with last week's market: Slaughter steers steady to 1.00 lower, Sl. cows 1.00-3.00 lower. Sl. steers: Choice 930-1260 lbs. 57.75-61.25, Good 54.00-60.00.; Good & Choice holsteins 1225-1490 lbs. 52.25-56.25; Standard 48.85-53.35; (few) Utility & low Standard 44.00-48.00. Sl. heifers: (few) Choice 54.50-56.00; (few) Good 52.50-53.50; (few) Standard 45.00-45.35. Sl. cows: Utility & Commercial 38.60-42.00 few 46.50; low dressing Utility 35.85-37.85; Cutters 35.50-39.00, few to 41.00; Canner & L. Cutter 32.50-35.75; Shells down to 25.00, Sl. bullocks: (few) Good 50.50-54.25; Standard one at 47.25. Sl. bulls: (few) Yield Grade No. 1, 1230-2130 lbs. 47.85-53.75.

FEEDER CATTLE: Steers, (few) Large Frame No. 2, 400-750 lbs. 42.50-47.00. Heifers, (few) Medium Frame No. 1 420-650 lbs. 40.50-46.50; (few) Large Frame No. 2 440-540 lbs. 41.00-44.00. Bulls, few Medium Frame No. 1 320-660 lbs. 46.00-61.00.

CALVES: 644. Vealers steady to strong. 2 Prime 96.00 & 99.50; (few) Choice 80.00-93.00; Good 60.00-80.00; (few) Standard & Good 110-130 lbs. 56.00-65.00; 90-110 lbs. 50.00-56.50; 70-85 lbs. 45.00-55.00; Utility 90-105 lbs. 42.00-48.00; 60-85 lbs. 30.00-38.00.

FARM CALVES: Hol. Bulls 90-130 lbs. 55.00-99.00, mostly 65.00-90.00; few Hol. Heifers 90-130 lbs. 55.00-61.00. (few) Beef Cross Bulls & Heifers 80-110 lbs. 56.00-79.00. (few) US No. 1-2 210-225 lbs. 52.50-52.85 (few) No. 1-3 215-250 lbs. 50.75-57.85; US No. 1-3 320-540 lbs. 36.00-38.75. (few) Boars 28.25-32.75.

FEEDER PIGS: 13. lot No. 1-3 55 lbs. at 30.00 per head.

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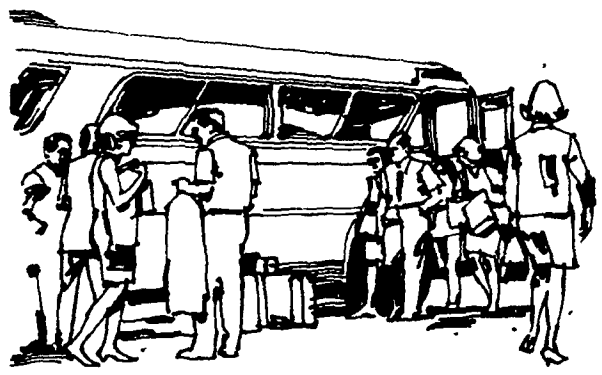

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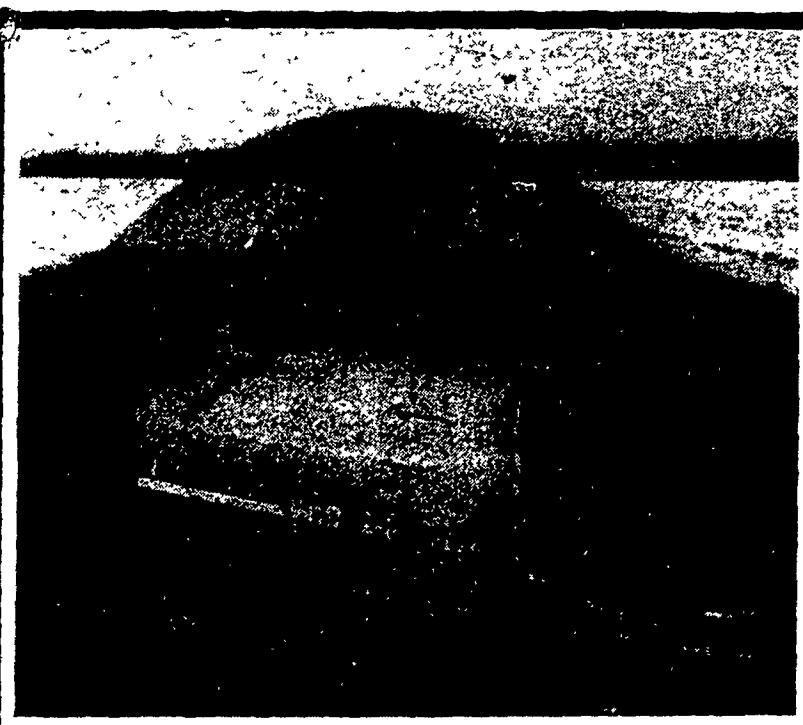

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Disaster loans await harvest

BAIR — Area farmers hoping for an early announcement on the availability of low-interest disaster emergency loans will just have to keep sitting in suspense for a while longer, according to a USDA representative who addressed the national plowing contest banquet.

Frank W. Naylor, undersecretary of agriculture for small community and rural development, told national plowmen meeting at the York 4-H Center that emergency loan announcements are not likely before a better overall picture of the harvest becomes available.

Later in the fall, September or October, is probably the earliest farmers can expect some ruling on disaster loan availability.

However, if several counties in southeastern Pennsylvania are declared ag disaster areas, due to severe drought conditions, the budget for such low-interest loans is unlimited, he added.

The undersecretary also told plowmen that Farmers Home Administration will not abandon farmers through the continuing agriculture money crunch. Although some 50,000 to 100,000 farmers across the country are in "very serious trouble," Naylor promised the FmHA will "see through those with any reasonable chance to make it."

Slowing inflation has undergirded the American dollar on the world money market, but at the same time, been the prime cause of decreasing exports of agriculture commodities.

According to Naylor, 11 million additional acres have gone into production every year for the past decade, and at least 30 to 40 percent of the burgeoning harvests must be sold overseas, to avoid market-depressing domestic surpluses.

But, because of the increasing strength of the dollar, and continuing world economic stagnation, U.S. farm exports have dropped from a former high of $40 billion to below $35 billion last year.

Warning that recent congressional redistricting has further weakened rural influence among Washington lawmakers, Naylor said that fewer than 10 Congressmen now represent districts with more than 25 percent rural populations.

"So there's a hue and cry from the brethren to make changes in programs they don't understand," said Naylor, pointing out the current dairy situation a prime example of the understanding gap. —J.B.

Extension Director Marion Deppen, left, presents commemorative clock to Frank Naylor, Undersecretary of Agriculture.

Plenty of food at Ag Progress

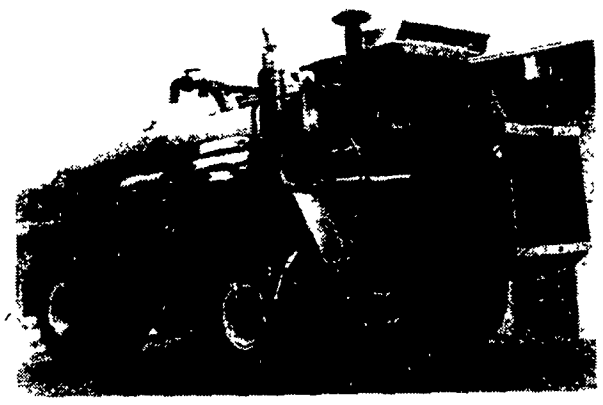
AG PROGRESS — If you get hungry while wandering around the many activities at Penn State's Ag Progress Days, don't wory — there will be quite a variety of foods to choose from.

Seventeen food vendors will offer a wide selection of Pennsylvania-made foods throughout the event, says Russell C. Seward, Centre County Extension director and chairman of the local arrangements committee. Many groups be on hand to offer their specialties for a very reasonable price.

On the ice cream front, maple sundaes will be available from the Wayne County chapter of the Pennsylvania Maple Producers, and the Pennsylvania Beekeepers Association will have honey-sweetened ice cream sundaes.

For the first time this year, Penn State mushrooms will be available at Ag Progress Days. The Lions Club of State College will offer breaded mushrooms with cheese sauce available. The group will also be passing out mushroom recipes and nutrition information. Another of the three Lions Club food booths will utilize a steam engine to produce heat for their bean soup.

Inside this machine is an answer to higher crop yields



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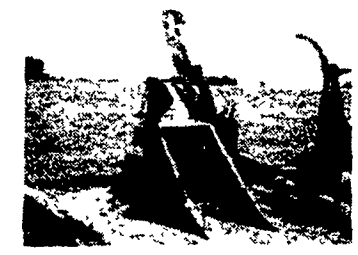

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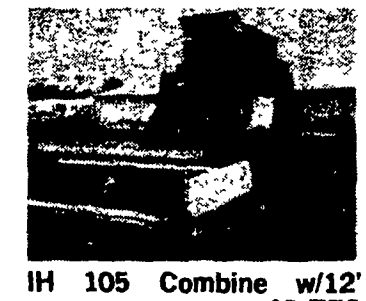

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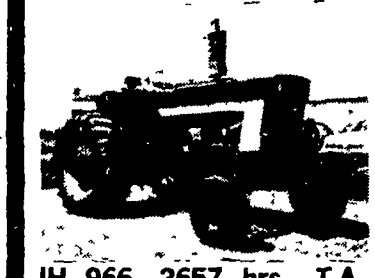

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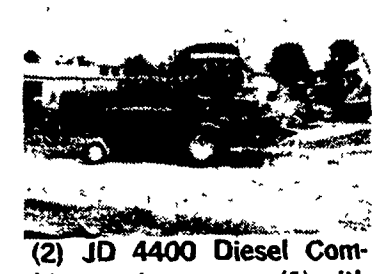

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SPERRY NEW HOLLAND

There's plenty to see & do at Ag Progress

(Continued from Page A1)

Penn State's support of the state's $3 billion ag industry, is "Agriculture: Growing for You."

"A record number of exhibitors will display their goods and service," reports Joseph Harrington, Penn State agronomist and Ag Progress general manager. "Everything from large silos to small seeds."

New Penn State President Bryce Jordan will be in attendance all three days. He will address the College of Agriculture Alumni Society at the Tuesday luncheon. He also will speak at the House and Senate Ag Committees meetings on Wednesday.

The Ad Advisory Council will be special guests on Thursday. Lt. Gov. Bill Scranton will be a special guest on Tuesday.

Free bus tours of the Reasearch Center are planned every 20 minutes between 10 a.m. and 3 p.m. from the uphill end of the "midway," across from the Pasto Ag Museum.

Ask the Penn State specialist

AG PROGRESS — Do you wonder why your six-year-old apple tree still is not bearing fruit? Do you lie awake at nights trying to figure out the best way to get rid of Japanese beetles? Perhaps you have a strange fungus on your wheat and don't know what to do about it?

Dear Abby won't have the answers, but Penn State specialists will. The specialists will be on hand at Ag Progress Days.

"Ask the Specialist" is the popular program where Penn state faculty who specialize in specific areas of agriculture will be available to answer your individual questions. Specialists will be located around the outside of the College of Agriculture tent and will be ready to give you answers and help you solve your problems in several areas, including horticulture, flowers, fruits, vegetables, ornamental plants, home grounds, insects, turfgrass, small-scale agriculture, soil management, agriculture preservation, farm buildings and energy, plant diseases, and computers.

"Ask the Specialist was one of the most successful Ag Progress Days features last year," says Dennis C. Scanlon, assistant professor of agricultural education who chairs the "Ask the Specialist" committee. "We will be providing information that people may not be able to find elsewhere at Ag Progress Days. This is an ideal opportunity for people to get their individual questions answered and I really hope they take advantage of it."

Not only can you get your questions answered, but you can get your plants examined. You can bring a plant or plant sample to the plant disease clinic, which is part of the specialist program. Experts will try to identify the problem, and make suggestions about what to do.

Plant clinic to be featured at Ag Progress

AG PROGRESS — "It's always nice to know what's causing the problem," says John Peplinski, the man who usually has the answers.

As manager of the Plant Disease Clinic at Penn State, Peplinski offers diagnoses to owners of nearly 2,000 ailing plants a year. In a small laboratory in the Buckhout Building on Penn State's main campus, he receives odd-looking branches, leaves, or entire plants from residents and businesses around the state.

His tools are not those of a surgeon, but his methods are. Lori DeMarco of the Star Roses Nursery in Chester County sent the clinic leaf samples with brown patches covering most of their surfaces. Peplinski holds one under a microscope and quickly focuses in on the spots.

"Phyllosticta," he explains. "It's a fairly common leaf spot-causing fungus on maple trees."

He has his tools ready — a razor-edged knife, tweezers, and a paper towel. He soaks the leaf in a 10 percent bleach solution, then he dries it. After sterilizing the knife with a flame, he cuts a small section from the leaf; part green, and part brown. He places four of these small samples in a culture plate. Fungus will grow. In a week or so, Ms. DeMarco will know why her leaves have brown spots. With Peplinski's recommendations, maybe next year the spots will be gone.

Sometimes, as with the phyllosticta, Peplinski can diagnose the problem immediately. (He often goes through the process "just to be absolutely sure.") Other times, he must isolate and culture the disease organisms.

When the damage is discovered, the plant owners are referred to materials that help them wipe out, fight, or adjust to the problem. If no definite answer can be given, Peplinski tries to make a few suggestions to the homeowners about possibilities.

"Gardeners and homeowners know if they have a problem, they can turn to us," he says.

So do commercial growers. Almost 50 percent of the specimens the clinic receives are from commercial farm and garden operations. This summer, he says, he has received many strawberry samples that have Red Stele, a root rotting disease.

Summer, of course, is the peak season. Peplinski opens up the clinic's refrigerator, which is full of plants, leaves and branches

(Turn to Page A39)

Is a computer right for you?

AG PROGRESS — More and more farmers are realizing that the computer age is here, and that computers can be useful in decision making. But many questions still remain: Is it economical? Would it be too time consuming? How much can really be saved?

Come to Penn State's Ag Progress Days and get the answers. Demonstrations on how computers can benefit the farmer will take place throughout the event.

"Computer adoption is still at the early stages," says Graham Bell, Penn State farm management agent, and coordinator of the computer exhibits at Ag Progress Days. "Only the more adventurous farmers are buying them. However, if you spend time in the farm office making management decisions, a microcomputer allows you to manipulate data and make sound financial decisions."

Computer information was one of the most popular exhibits at Ag Progress Days last year with more than 50 percent of the exhibit visitors expressed an interest in farm accounting programs. This year, Ron Bower, vocational agriculture teacher from Gettysburg, will be demonstrating a farm accounting program, appropriately called the "Secretary of Agriculture."

"Once the information is entered in the computer, you can generate numerous reports such as balance sheets and profit and loss statements," Bell says. "The computer enables you to more quickly generate precise figures to aid in decision making. But you have to be prepared to put the time into it."

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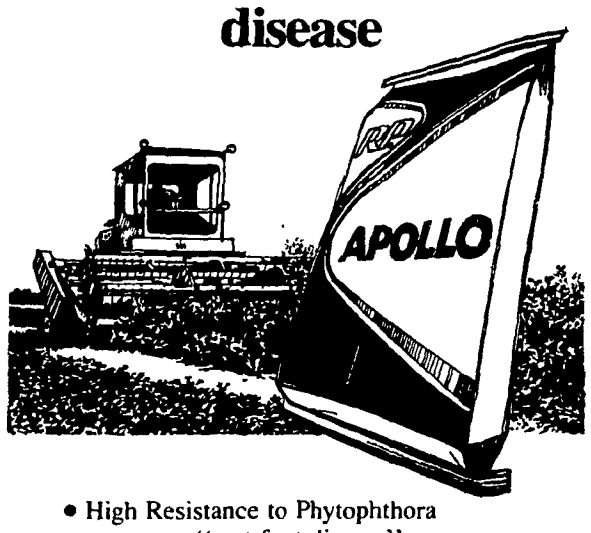

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It's 3 days of turning picture perfect furrows

Hess, Burkhart, Miller win state plowing honors

BY JOYCE BUPP
Staff Correspondent

BAIR — While clouds of dust marked the movement of men and machines competing in the York County plowing contest Aug. 11, an overnight downpour softened the soils for state competitors who sank their moldboards into the ground the following day. Contestants competed in small, large and contour plowing divisions at the state & local level.

The plowing competition was part of a three-day extgravaganza, from August 11-13 hosted at the John Shearer farm and adjacent York County 4-H Center, by area plowing organizations, the Chamber of Commerce, extension and agri-businesses. Final day of the three-day event saw entrants from six states compete for national plowing titles.

A mini-fair atmosphere filled the Center and surrounding wooded area, with equipment, seed and related ag-businesses setting up displays for the duration of the plowoffs. Several hundred turned out each day for the contests, which also featured demonstrations of various pieces of tillage equipment brought in by dealers for display.

Charles Hess, who chaired the three-day local, state, and national championships, emerged from weeks of monitoring meeting details with his plowing skills still intact, taking both county and state honors in the small plow division.

Hess, a Dallastown R1 dairyman, has won numerous prior awards in the past several years as a plowing promoter.

Joining Hess in the state contest winners circle after the Friday competition were Frank Burkhard large plow division and Robert Miller, winner in the contour category.

Burkhart, president of the state plowing organization, resides at Silver Spring in Lancaster County. Potato grower, Burkhart has won numerous awards since his first entry in the plowing contest in 1968, and has also competed four times at the national level.

Trio of state plowing winners include, clockwise from top, Frank Burkhart, large plow; Charles Hess, small plow; and Bob Miller, contour.

Robert Miller, Millersburg R1, who won the contour division, is also a veteran among contest, plowmen. The Dauphin County Guernsey dairyman made his initial venture into the contests in the early 1960's and won his first state competition in 1967. In 1976, when Pennsylvania hosted the national plowing championships at Rock Springs, Miller plowed his way to national honors.

Hess and Burkart are now eligible to compete in the 1984 national contest, which is expected to be held in the midwest. There is no contour division at the national level.

Winners in the state contest's small plow division are, Charles Hess, York County, first; Jay Stoner, Cumberland County, second; Neil Leffler, Dauphin County, third; and Bradley Kine, Somerset County, fourth.

In the state contour category, William Crain, Cumberland County, placed second to winner Bob Miller of Dauphin County, with York entry Terry Sunday placing third.

Placing behind Frank Burkhart, Lancaster County, in the large plow division were Gary Crain, Cumberland County, second; Frank Kocevar, Dauphin County,

(Turn to Page A38)

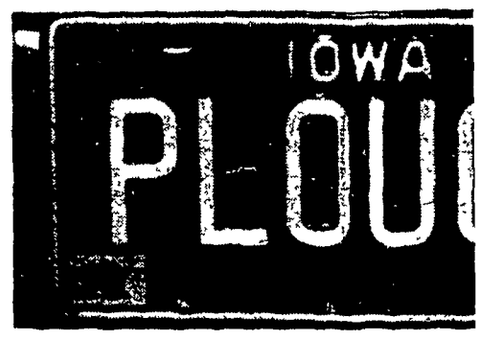
Pa. plowmen among n

BY JOYCE BUPP
Staff Correspondent

BAIR — Plowmen from six states throttled up and sank sharpened plow points deep into the soils of the John Shearer farm last Saturday, as the national plowing championships wrapped up a three-day tribute to moldboard tillage techniques.

The "plowing Olympics" featured 27 contestants taking part in large, small and antique plow categories, with entrants traveling from Iowa, Illinois, Minnesota, South Dakota and Ohio to join participating host Pennsylvanians in the national judging.

When the lengthy judging periods finally ended and the winners called up to receive their awards, Pennsylvania Robert



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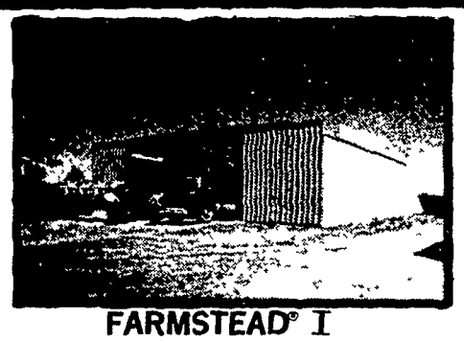
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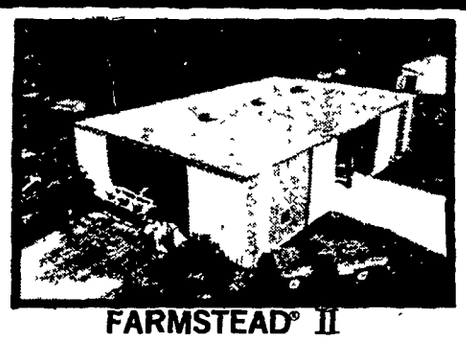
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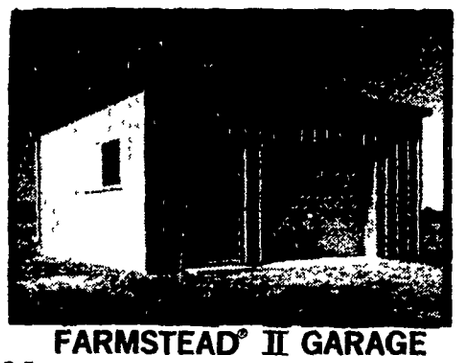
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BY JOYCE BUPP
Staff Correspondent

BAIR — To the uninitiated-or perhaps just unappreciative-an accident, abandoned piece of farm machinery seems little more than a piece of decrepit junk.

Sitting, forgotten, behind a crumbling barn, or along the far edge of an equipment dealer's used machinery lot, an old tractor is of little value to today's modern farmer with PTO, seed monitors, and stereo-equipped cabs.

But to men like Yorker Chuck Noonan, or Frank Judy and Bruce Davis, of Ohio, old tractors are the stuff of pleasant memories and fodder for a hobby growing in rural favor.

Years ago, Charles "Chuck" Noonan, worked cropland with an old Case tractor, before he gave up farming and went into another business for himself.

Six-mule hitch demo team.

Then, Noonan happened to run across an old Case that stirred those memories. It was a 1930 model, and had been owned by a Maryland farmer named Miller.

The Case, or what was left of it, was at a Cockeysville, Md. dealer, and the once-proud tractor had sat, abandoned, for 11 years.

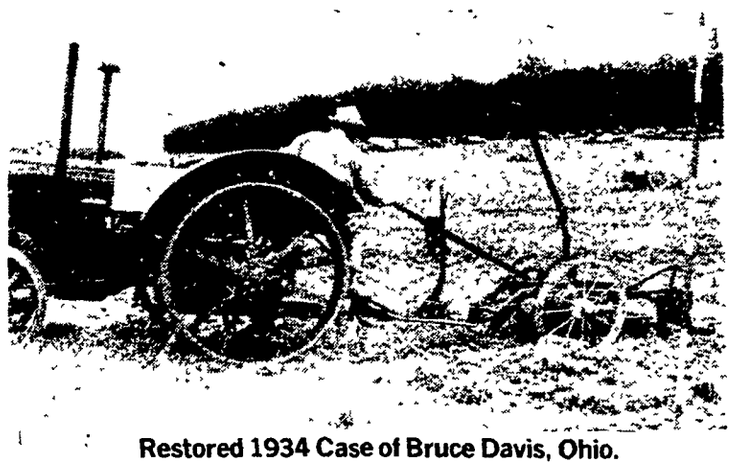
"It was junk," Noonan remembers of his first look at the 50-horsepower machine.

Hauling his buy home, Noonan began dismantling the remnants in the garage of his Heistand Road home in York. He finished up the chore six weeks later, the collection of parts carefully laid out for re-piecing.

With the help of Enola machinery dealer Elias Bixler, Noonan began gathering replacement parts for the "puzzle." A wooden deck was replaced with sturdy new boards, and shiny, curved fenders replaced the rotted originals. Paint, still the same steely-gray pewter shade that had covered the tractor when new.

(Turn to Page A38)

Yorker Charles Noonan and his 1930 Case plowed into second place in national antique competition.



Restored 1934 Case of Bruce Davis, Ohio.

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Robert

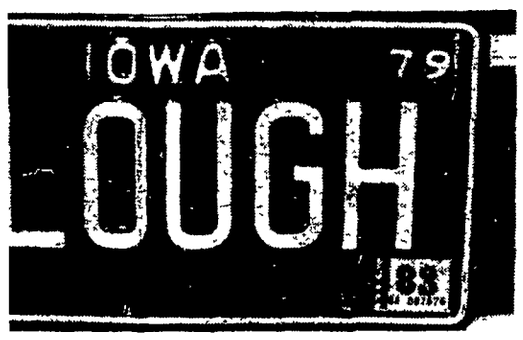
Miller had triumphed over a field of nine plowmen in the small plow (two or three bottom) division.

That win earned the Millersburg R2 dairy farmer a chance to represent the United States in the 1984 World Plowing Contest, to be held in England, probably sometime during September of next year.

Miller, a veteran of plowing competition, has been taking part in such contests for about 20 years. He won his first state title in 1967, and took previous national honors in 1976, when Pennsylvania first hosted a national contest, held at Rock Springs.

A York man won the second place honors in the antique plow division, finishing close behind

(Turn to Page A24)



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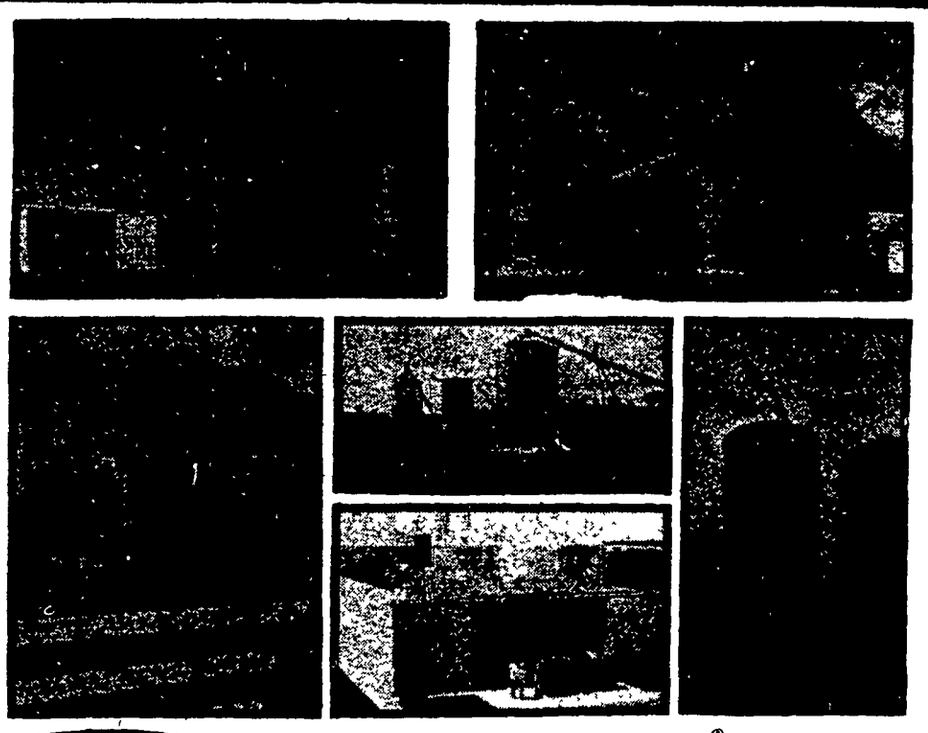

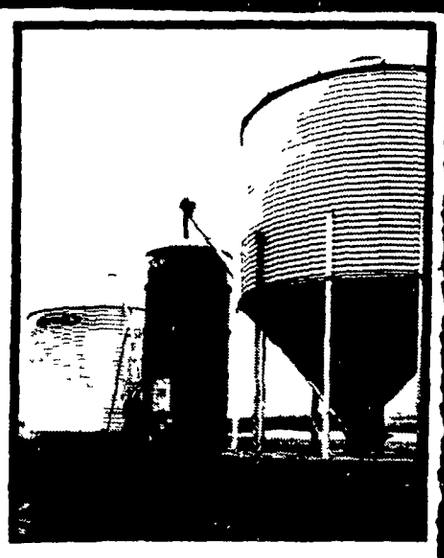

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at Nussex Farms

Getting a head start on hydroponic lettuce

BY TRISH WILLIAMS

WEST CHESTER — Salad connoisseurs of Chester County rejoice, for now available to you is locally grow lettuce, fresher and crisper than any other you've ever eaten, because it's living lettuce. Yes, that's right, this calorie counter's delight is still living when you purchase it, and comes complete with roots.

Sounds messy, you say?

Not at all, because the lettuce is grown hydroponically at Nussex Farms, and never has the chance to get dirty in it's soilless growing environment. The roots allow the lettuce to stay fresh in your refrigerator for up to a week and a half, a real bonus during summer's sultry salad season.

Look out California, this flavorful loose head lettuce is grown year round, and is actually more compact and of higher quality during winter months. Ostinata, a Dutch variety of semi-heading or butterhead lettuce, is grown in Nussex Farms' greenhouses under the care of Paul Emerson and Truby Brown. The lettuce is picked and sold the same day, still living, in the Nussex Farm Market, on S. Five Points Road, just east of West Chester.

A continuous cycle, as plants are harvested, new seedlings are put into the growing racks.

Living lettuce

Nussex Farms started growing hydroponic vegetables in the mid 1970's when they set-up a greenhouse for growing hydroponic tomatoes. In 1978 they built a small homemade greenhouse to start their new venture with hydroponic lettuce. By 1980 consumer demand in the farm market had outstripped the production capability of the small greenhouse, and a second 28 X 120 ft. green house was built specially for growing hydroponic lettuce.

Nussex starts the lettuce plants from seed, and from the time the seeds are taken from the packet until the lettuce is harvested, it is never in contact with any soil, it's nutrient needs are supplied through a liquid medium.

The seeds are germinated in inert styrofoam 'Horticubes' on metal trays. Within two to three days the seedlings are large enough to transfer into custom made growing racks. Enough plants are started each day to replace the approximately 200 heads of lettuce that are harvested each day.

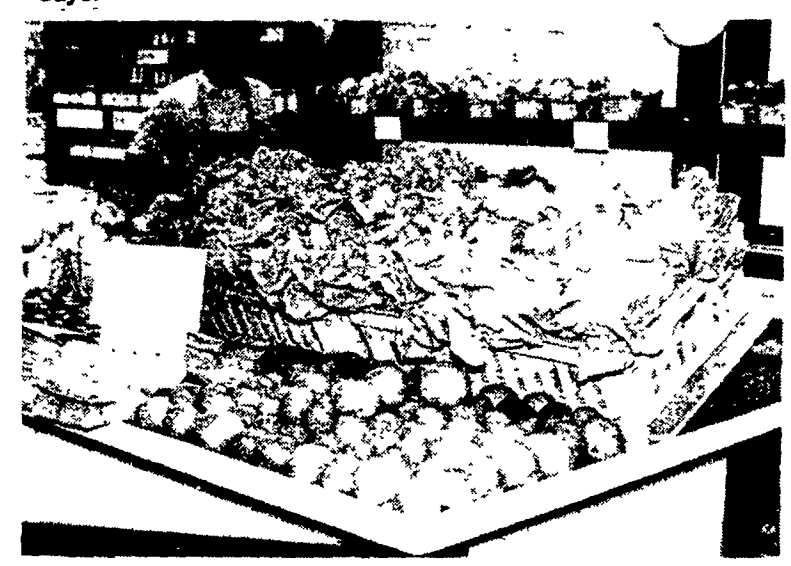
It is a completely controlled environment that provides a continuous planting and harvesting schedule the year round.

Growing racks are made of a wooden frame supporting the nutrient flow system. The construction of the nutrient flow system looks like it takes more plumbing expertise, than horticultural expertise. Flow tubes are made of PVC or ABS tubing, because the nutrient solution contains many salts and is too corrosive to use metal.

The nutrient solution is cirulated through a complex system and stored in a 500 gallon concrete reservoir. An electric motor pumps the nutrient solution to the supply end of the growing rack, the tubing is sloped downward so that the solution flows by gravity through the root containing tubing, and then back into the reservoir.

"An electric timer controls the pump on a 15 minute cycle," explained Emerson. "The pump runs for 10 minutes, and then for five minutes is idle to allow the roots to 'breathe'. We have an electric generator to take over within 15 minutes, in the event of a power failure. The system is very dependent on electricity, if the pump is off for more than half an hour it is very serious. We have an alarm hooked to the system, that will call us on the phone at home if there is a power failure when no one is here."

Seeds are germinated in 'Horticubes'. The plants are transferred in the cubes to growing racks in two to three days.



Stan Johnson, Nussex Farm Market manager sets up a display of living lettuce.

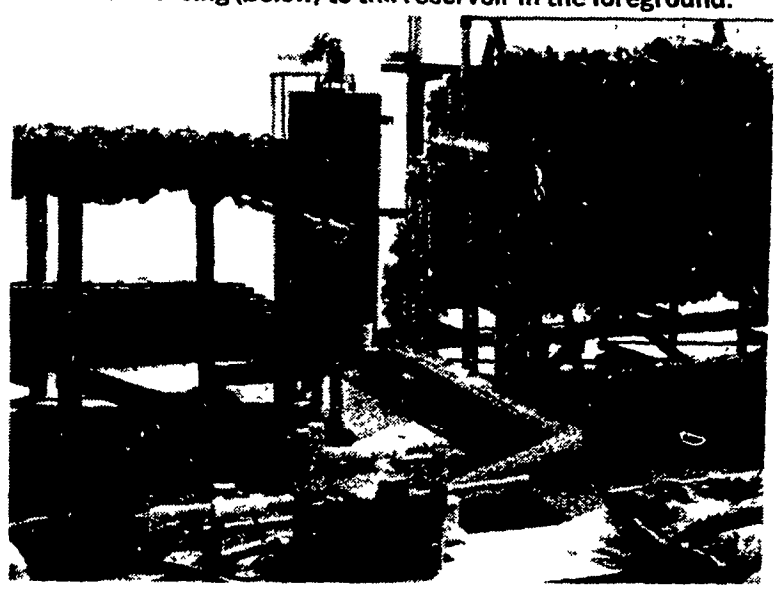
Brown and Emerson, test the nutrient solution in the reservoir each day and adjust it according to the test results. The solution is tested for pH, and maintained at a pH of 6.0-6.5. A TDS meter is used to test the total dissolved salts, by electroconductivity. Once a month the solution is changed.

Depending on the season, it takes from 45 to 55 days until harvest. During the summer months the lettuce grows more quickly. In the hottest months, July and August, a shade cloth must be drapped above the growing racks, to enable the cool weather plants to grow. The cooler months are more favorable for growing lettuce, although the lettuce grows slower then.

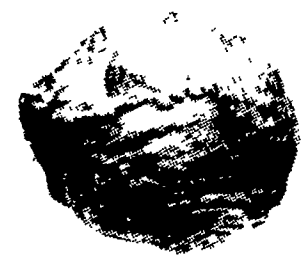
Emerson and Brown harvest the lettuce daily according to sales at the farm market. When the lettuce is taken from the growing rack, it is still rooted in the styrofoam cube. The roots are cut, leaving about two inches of roots on the plant, which allows the plant to continue to absorb water and remain fresh.

Farm market manager, Stan Johnson, says the demand for the hydroponic lettuce has been growing. The lettuce sells at two heads for a dollar or 59 cents each, at the Nussex Farm Market.

Above, nutrient solution is pumped into the supply end of the growing rack, and flows by gravity through the rack and the return tubing (below) to the reservoir in the foreground.



Truby Brown adds nutrient solution to the reservoir.



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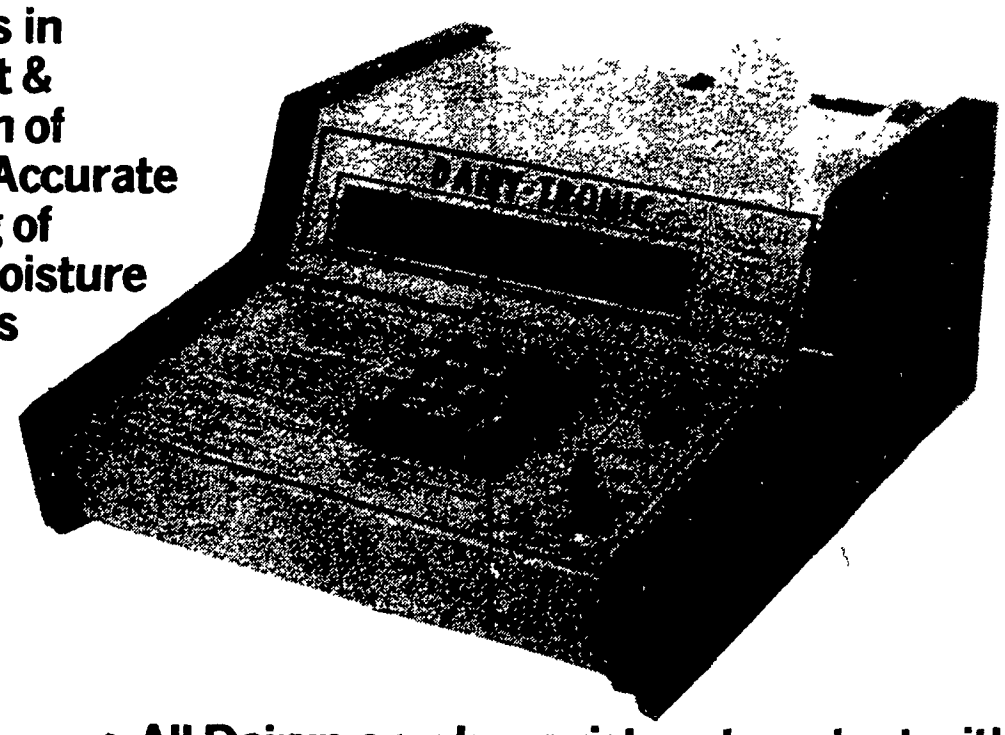

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Pa. plowmen

(Continued from Page A21)

champion trophy winner Roger Neate of Van Wert, Ohio.

Charles Noonan, 174 Heistand Road, York, manuevered his 1930 Case and Case plow through his first national contest plot, having completed restoration of the classic equipment less than a year ago.

Capturing the national large plow (four bottoms and over) division was Allen Meyer of Paynesville, Mn.

Meyer's completed plot and the critical finish furrow had won spectator admiration and been proclaimed a likely winner by same knowledgeable plowing enthusiasts, almost before the soil had dried on the moldboards.

Winner of the Sportsman's Trophy, an award voted on by the contestants to pick one of their fellow competitors showing outstanding sportsmanship, was Henry Gruber, Paynesville, Mn.

Each plowman had a 2/3 acre plot to turn over, measured out ahead of time by the committee, in the barely rolling fields of the Shearer farm that abuts the county's 4-H Center, where related meeting and display events were located.

Small plow contestants were allotted 90 minutes in which to plow their plots, while large plow division entrants were allowed one hour.

Plowmen can earn up to 200 points on the scoring sheet, which is broken down into categories that include the opening split, crown or top of the tilled seedbed surface, stubble coverage, depth and staightness of furrow, and a finish that is straight and neat, but not too wide or deep.

Ideally, when a plot is finished, the seed bed should be so uniform that judges are unable to determine how many bottoms were on the plow.

One of the youngest national contest entrants was 20-year-old Gary Crain, of Carlisle, representing Pennsylvania as the 1982 large plow division winner. This was only the second year in which the young dairy farmer had ever competed in plowing event.

Other Pennsylvanian's taking part in the national contest were Jim Mowry, of Somerset County, returning to the large plow division as a 1982 national runnerup, Myron Young, Chambersburg, competing in the antique plow division, and Jay Stoner, Mechanicsburg, small plow division.

Winners in the national plowing contest were as follows:

Small Plow: 1. Robert Miller, Millersburg, Pa; 2. Daniel Nietfeld, Melrose, Minn.; 3. Bernard Nietfeld, Melrose, Minn.; 4. Franklin Valentine, Gettysburg, Ohio; 5. Bob Kaveny, St. Peter, Minn.; 6. Tim Rhodes, Versailles, Ohio; 7. Russell Lackender, Iowa City, Iowa; 8. Tom Ode, Brandon, S. Dakota; 9. Jay Stoner, Mechanicsburg, Pa.

Large Plow division: 1. Allen Meyer, Paynesville, Minn.; 2. Duane Wolf, Odell, Ill.; 3. Henry Gruber, Paynesville, Minn.; 4. George Hagens, Sioux Falls, S. Dakota; 5. Dean Miller, Kalone, Iowa; 6. Mike Rhodes, Greenville, Ohio; 7. Gary Craine, Carlisle, Pa.; 8. Jim Mowry, Somerset, Pa.

Antique division: 1. Roger Neate, Van Wert, Ohio; 2. Charles Noonan, York, Pa.; 3. Frank Judy, Jackson Center, Ohio; 4. Kevin Holl, Conrad, Iowa; 5. Rick Ollinger, Iowa City, Iowa; 6. Jack Law, Pierson, Iowa; 7. Hugh Waltz, Van Wert, Ohio; 8. Glen Mann, Marshalltown, Iowa; 9. Myron Young, Chambersburg, Pa.; 10. Bruce Davis, Sidney, Ohio.

Top York County plowmen

Top York plowmen in county contest include, from the left, Charles Hess, small plow; Randall Keeney, large plow; and Terry Sunday, contour.

Theatre programs listed

AG PROGRESS — Energy, nutrition, consumer tips, and a little magic will be featured at the Ag Progress Days theatre this year.

Theatre programs begin daily at 10:00 a.m. Tuesday through Thursday at Penn State's Rock Springs Agricultural Research Center, nine miles southwest of State College on Route 45.

Shaver's Creek Environmental Center programs start each day, as Center staffer Martin Frye will talk about — and bring along — reptiles, amphibians, and birds of prey. There will also be daily programs on new telephones, energy for tomorrow, and shaking the salt habit.

Popular magician Richard Benninghoff will perform Wednesday at 4 p.m. In addition, bluegrass music is featured every day. Tuesday at noon you'll be entertained by the Rustical Quality String Band. Wednesday at 1:00 Whetstone Run takes the stage, and Thursday at noon, the Allegheny String Band will play for your listening enjoyment.

Margaret P. Ezell, Extension resource management specialist, will present a daily program on auto repair and maintenance called "You 'auto' Know Your Car Costs."

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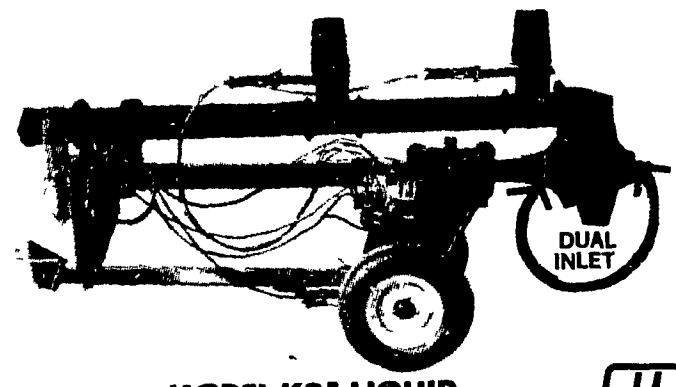

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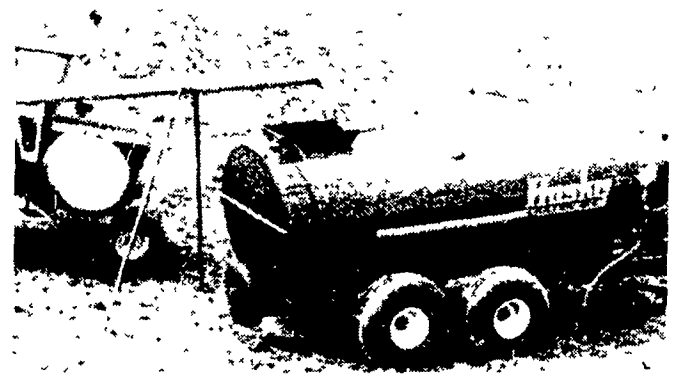
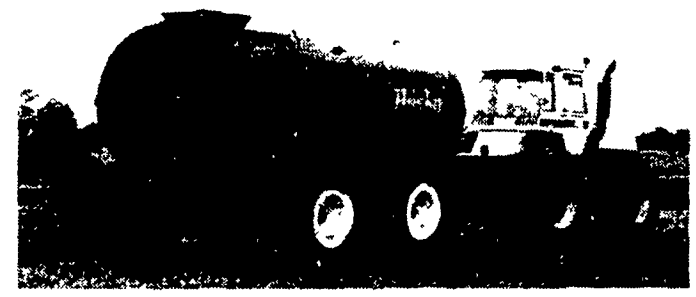


HUSKY FRONT MOUNT SOIL INJECTORS



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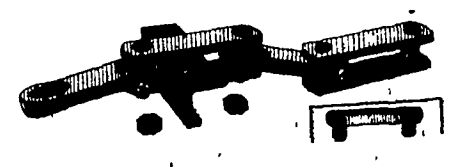

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2 top Special Guernsey Sale

LANCASTER — Ruth Ann John of the Pennsylvania Guersey Breeders Association gave a favorable sale report on Thursday's 329th Special Guernsey Sale. Buyers came from Wisconsin, New Jersey, Maryland, Connecticut, and Delaware as well as from many parts of Pennsylvania, said John. Top buyer for the sale was Robert Paine of Grassland Farm, Salisbury, Conn.

The sale, held at the Guernsey Sales Pavilion, east of Lancaster, featured the complete milking herd dispersal of Elmer Lapp, Kinzers. Lapps' dispersal included, 17 head of Purebred Guernseys eight grade Guernseys, 5 Red· Holsteins eligible for registration and 2 grade Holsteins. Many of the cows and heifers were just fresh or springing at the sale.

The 66 Guernseys sold brought a sale total of $63,575. The sale average for the Guernsey was $936.26.

A bred heifer and a mature cow tied as top-sellers, each bringing $1600. The heifer, Falcons Baron Penelope, born May 17, 1981, sold to Pennsylvania Guernsey Breeders, president Albert Hack, and his wife Marion, of Berwick.

The two-year-old daughter of Falcons Patrician Baron, was bred by Charles B. Cheyney of Lynchville, Conn. Penelope was consigned to the sale by Richard Merritt, of Farmington, Conn.

Penelope is due to calf August 22, to Welcome Gentry. Her dam, Falcons Paul Pippen, is classified 85, with a 305 day record, made as a three-year-old to 12,754 milk, 4.5 percent test, and 568 fat.

(Turn to Page A26)

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Sale

(Continued from Page A25)

Tieing Penelope at a selling price of $1600 was a was a four-year-old cow, Atwater Ruth. Ruth was bred and consigned by Elmer Lapp. Her sire is Tannery Hill Florets Command. Her dam is Atwater Leda.

Ruth is due to calf September 6. She is bred to Hollow View Favor Elite. Purchasing Ruth were the Brackman brothers, R.D. 1 Canton.

Second high sellers was a bred heifer, Anchor and Hope Girl. She brought $1500, from her buyer Dennis K. Miller, of Airville. She was bred and consigned by Anchor and Hope Farm, Port Deposit, Md.

Her sire is McDonald Farm H Adonis. Her dam, Applebrook Corporal Girlie, is projected this year to make a 305 day record of 13,069 milk 594 fat.

Two bulls sold well at the sale, reported Ms. John. The top bull, Foust Hill Tex Bryce, bred and consigned by Jerry Krone, Oley, Pa. The yearling bull has a pedigree index of +780 milk, +28 fat, and +$86. He is a son of Cohill Farm T H Big Tex. His dam made a 305 day record at 9 years 9 months of 15,277 milk 4.8, 734 fat. Her lifetime record to date is 118,117 milk, 6126 fat. Bryce's buyer is Rocky Glade Farm, Woodsboro, Md.

The second top-selling bull, Keystone Big Tex Leader brought $1300. Also a Big Tex son the two-year-old was bred and consigned by Wilmer Campbell, Halifax, Pa.

Leader's dam, Clearbranch Valor Leigh, classified 89 as a dry cow. Her best record made as a four-year-old in 305 days is 16,586 milk and 678 fat.

Hay show judging Tuesday

AG PROGRESS — Pennsylvania farmers will have another opportunity to show their top hay samples in the State Hay Show which will be held as part of the 1983 Ag Progress Days.

Hay may be entered in one of three sections: field cured, heat finished with no preservative, or field cured with a preservative. There are 13 separate classes of hay in the field cured and heat finished sections and six classes in the field cured with a preservative section.

All entries must be brought or delivered to the Hay Show tent by 10 a.m. on Tuesday. If possible, exhibitors should take their samples to the tent on Monday to facilitate handling.

Samples are judged according to color, leaf size, freedom for deterioration, and state of growth.

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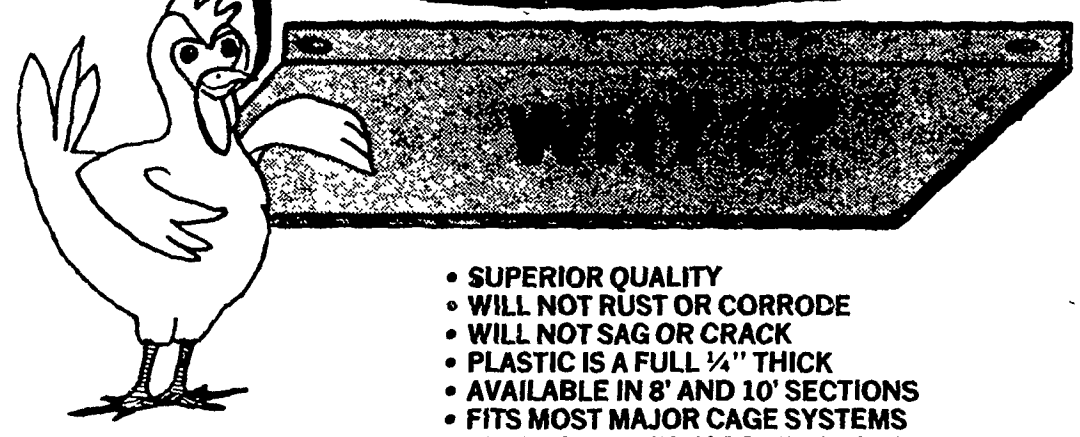

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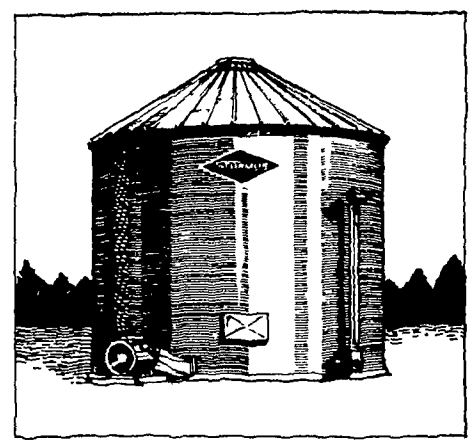

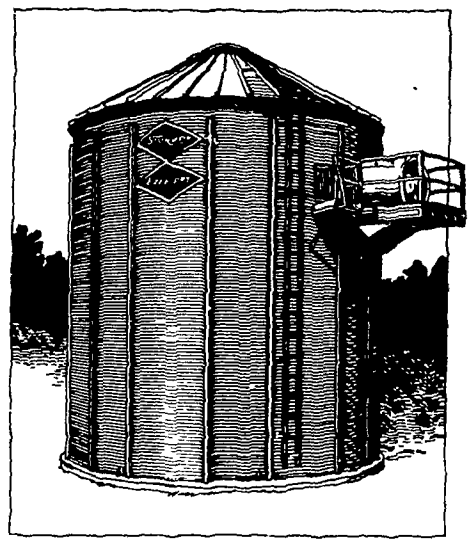

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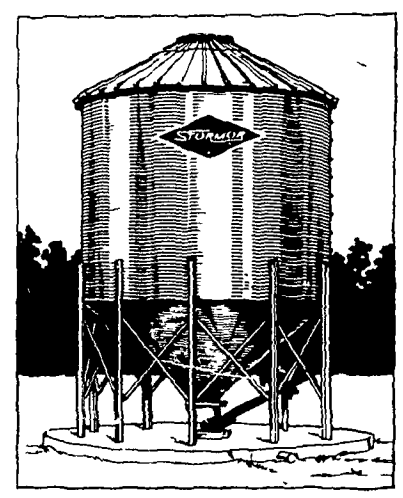

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Eastern Holstein Show

(Continued from Page A1)

Reu-Hel Farms Valient Cristy, a Junior Yearling owned Constance Ohlinger, took the Junior Championship. Sired by S-W-D Valient out of a Good Plus - 83 Elevation dam, a Very Good- 87 Granddam and an Excellent- 92-4E Gold Medal great granddam, Cristy is just beginning to make herself known. At the Pennsylvania Spring Holstein show, Cristy had received first place junior yearling, first place bred and owned, junior champion of the junior show and reserve junior champion of the open show. Cristy is from the same family of Reu-Hel Farms Big Mac, an Ohlinger bull recently sold to Japan and the Ohlingers are also proud of the fact that "Cristy" and her family are all home-bred animals.

Premier breeder and exhibitor at Eastern Holstein Show, Donald Hostetter family, R2, Parkesburg, include, from left, Donald, Dorcas, Sue and Kim, with Missy in front.

The entry of Cathleen Ohlinger, Reu-Hel Farms Sexation Heather, a Senior Yearling, took the Reserve Championship honors. Sired by Ocean-View Sexation, "Heather" can boast a Very Good-85 "Job" dam with 2-09 years 305 days, 20,577 pounds milk and 779 pounds of fat.

Grand Champion Bull went to the entry of Russel H. Miller, Strouse, and Neer Associates, R3, Tamaqua, with Ellsworth RHM RHH Jake, a junior yearling. Miller, one of the owners, described him as, "of good size for his age", as he explained that they were pleased that he did well since he was one of the youngest in the class. Sired by Leadfield Columbus, "Jake" can also boast a Romandale Reflection Maquis dam currently testing 5% on her three year old record.

The Reserve Champion bull went to Curly Hill Greek Edward, a senior bull sired by Creek Bluff Elevation Lester out of a Jet Stream dam. He is owned by Christine L. Worthington, Doylestown.

Ohlinger sisters took Junior Championship honors at Eastern Holstein Show with Reu-Hel Farms Valiant Cristy, owned by Connie, as Junior Champion; and Reu-Hel Farms Sexation Heather, owned by Cathy, as Reserve Junior Champion.

Winning the Premier Breeder and Exhibitor banner of the show for the third year in a row was the Donald Hostetter family of Maplebound Farm, R2, Parksburg. "It's a family deal", stated Hostetter as he explained that his son was at home taking care of chores, his daughters and wife were helping at the show, and they were about to leave to do chores at home. Hostetter shows at most of the state shows and currently has a show string of 9 animals - all home bred.

"We got winners out here that everybody can be proud of", stated

(Turn to Page A28)

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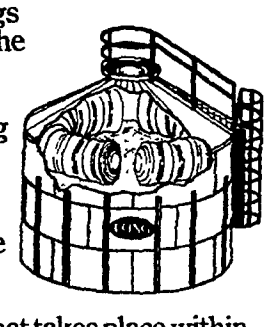

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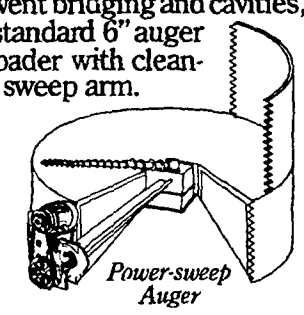

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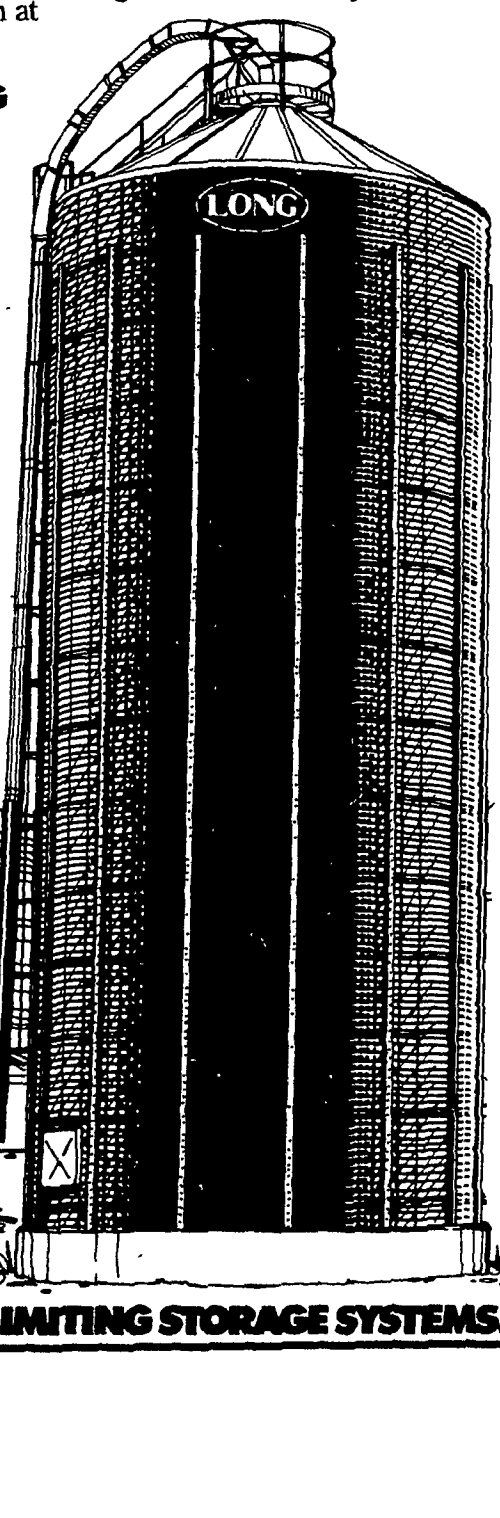

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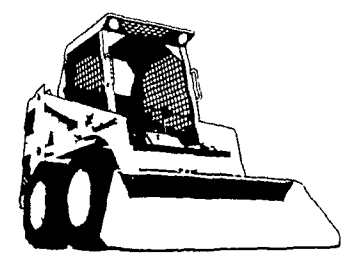

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bobcat CLARK

Eastern Holstein Show

(Continued from Page A27)

judge, Jake Emig. Having judged many past state shows, Emig is widely respected as a professional showman and as a professional hoof trimmer. Admitting that he loves to judge, throughout the day, Emig praised the fine animals being paraded before him.

The show featured 232 entries from throughout the state and was chaired by Harvey W. Stoltzfus, R1, Morgantown.

Other placings were as follows:

Junior Bull Calf 1 FGG Bart Elevation Skyman, Bruce W Gromlich

Senior Bull Calf 1 Curley Hill Greek Edward, Christine L Worthington, Reserve Champion, 2 Vista Grande Ace Pirate, Vista Grande Farm, 3 Kerchenhill Turkey, Hellen L Seidel

Junior Yearling Bull 1 Ellsworth RHM RHH Jake, Russel H Miller, Strouse & Neer Associates, Grand Champion Bull, 2 Zahncroft Tradition Luther, Dennis Sattazahn

Senior Yearling Bull 1 Myerose Bow Knott Derek Red, Coreen Luckenbill

Junior Heifer Calf 1. Ro-Ru Ultimate Tiffany, Keith Buch, Fleetwood, 2 Oakenbound Dairyman Libby, Oakenbound Holsteins, R1, Richland, 3 Vern-Lee Miss Ellie, Russell L Kline, Denver

Intermediate Heifer Calf 1 Vista Grande Bubbler Pepper, Vista Grande Farm, Fleetwood, 2 Reu-Hel Farms Pete Fay, Reu Hel Farms, R1, Mohrsville, 3 Rocky-Side Magic Model, Jefferson D Yoder, Elverson

Senior Heifer Calf 1 Rothrock Tradition Velvet, Bruce L Rothrock, R1, Kempton, 2 Sexation Tower-View Florence, Michael L Mertz, Fleetwood, 3 Hubbys Falcon Jemini Prima, Robert Miller, R2, Bangor

Junior Yearling 1 Reu-Hel Farms Valient Cristy, Constance Ohlinger, R1, Mohrsville, Junior Champion, 2 Da Lee-Bred Valient Diana, David G Vail, Lebanon, 3 Vern-Lee Sexy Ida Russell L Kline, Denver

Senior Yearling 1 Reu Hel Farms Sexation Heather, Cathleen Ohlinger, R1 Mohrsville also Reserve Junior Champion, 2 Glen-Moore E Star Cindy, David and Elsie Weaver, Glen-Moore, 3 Dream On Mars Tony Cassie, Gary L Lentz

Dry Cow 4 years and under 1 Maplebound Ultimate Morrine, Donald Hostetter, Parksburg, 2 Maplebound Rex Ivory Donald Hostetter, Parkesburg, 3 Pennwood Ultimate Socks, Harvey Stoltzfus, R1, Morgantown

Dry Cow 5 years and over 1 Maplebound Astronaut Julie, Donald Hostetter, Parkesburg, 2 Bright-Dale Rita - David Vail, Lebanon, 3 Maplebound Hansel Daisy -OC, Donald Hostetter, Parkesburg

Junior two year old 1 Keystone Tony Gleam, Keystone Farm, R4, Easton, 2 Vern-Lee Mars Wanda, Russell Kline, Denver, 3 Con Noll Superior Ponder, Nathan Stoltzfus, R1 Morgantown

Senior two year old 1 Maplebound Marvation Holly, Donald Hostetter, Parkesburg, 2 Welk View Valient Tiffany, Paul & Maurice Welk, Peach Bottom, 3 Killdee Pete Lisa ET Bruce Rothrock, R1, Kempton

Three year old 1 Down Home Pete Sandy, Bruce Rothrock, R1, Kempton, also - Senior Champion and Grand Champion, 2 Maplebound Star Felecia - Donald Hostetter, Parkesburg, 3 Reu-Hel Farms Milestone Susie, Constance Ohlinger, R1, Mohrsville

Four year old 1 Swampy Hollow Apollo Starlet Bruce Rothrock, R1, Kempton, 2 Con-Noll Marvex Jo, Clifford Blank, R1, Kinzers, 3 Keystone Job Jasmine, Keystone Farm, R4, Easton

Five year old 1 Rocky Side Ultimate April, Jefferson Yoder, Elverson, 2 Muroc Apache Niki, Galen Crouse - R1, Stevens, 3 Pennwood RS Hope, Harvey Stoltzfus, R1, Morgantown

100,000 pound class 1 Keystone Jet Stream Maureen, Keystone Farm, R4, Easton, 2 Con Noll Gay Rosene, Clifford Blank, R1, Kinzers 3 Pennwood Stroke Honey, Donald Stoltzfus, R1

Aged Cows 1 Woodedge Bootmaker Lady, Keystone Farm, R4, Easton, also Reserve Grand Champion, 2 Sylvan T Elevation Primrose - Bruce Rothrock, R1, Kempton, 3 Adairland Sue-Ellen, Helen Seidel, Kutztown

Best cow of show bred and owned by exhibitor Maplebound Marvation Holly, Donald Hostetter

Best Three Females 1 Donald Hostetter, 2 Keystone Farm, 3 Rocky Side

Produce of Dam 1 Rocky Side, 2 Delaware Valley College, 3 Cor-Phil Acres

Dam and Daughter 1 Donald Hostetter, 2 Helen Seidel 3 Keystone Farm

Remember the blue duiker

AG PROGRESS — Computer analysis, live deer, a foot-tall antelope called a blue duiker, and exhibits of Penn State programs to improve animal health are a few of the highlights in the Ag Progress Days dairy and livestock tent.

A popular attraction last year, the tiny South African blue duiker will again be on display during Ag Progress Days, August 23-25 at the Rock Springs Agricultural Research Center, nine miles southwest of State College on Route 45.

Other dairy and livestock activities will include a dairy cow nutritional demonstration, a poultry exhibit, and live deer, beef cattle and swine on display.

Two computer exhibits will focus on problem solving, and analyze how farmers can most efficiently utilize their feeding programs.

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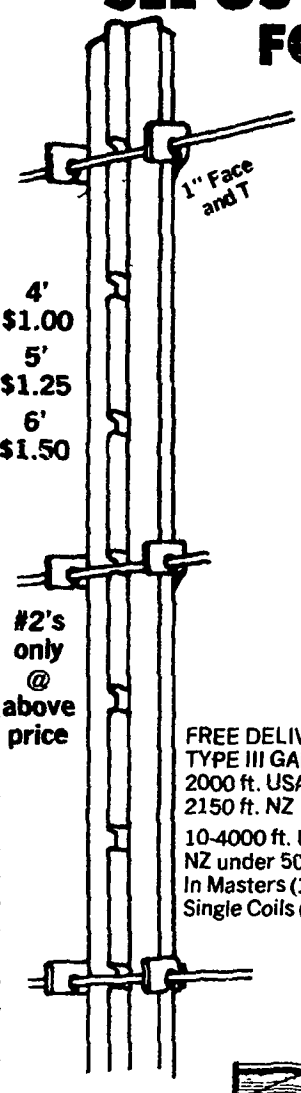

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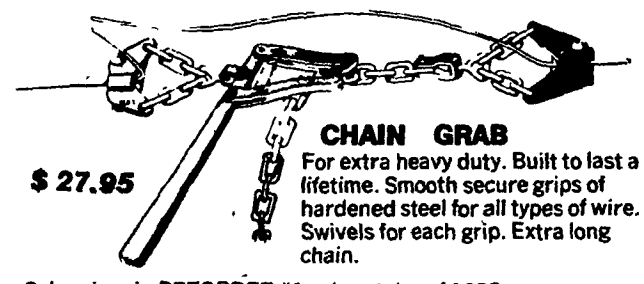

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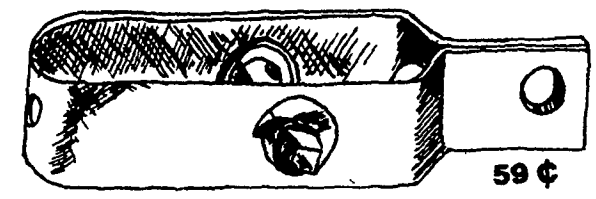

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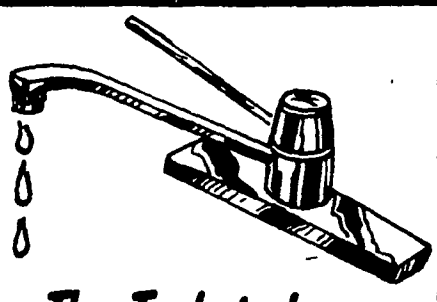

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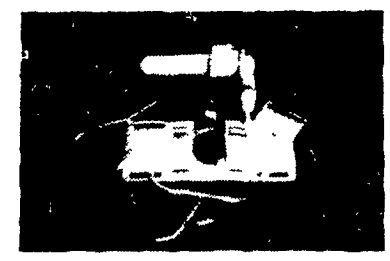

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Avg. Daily Gain	.71	1.62
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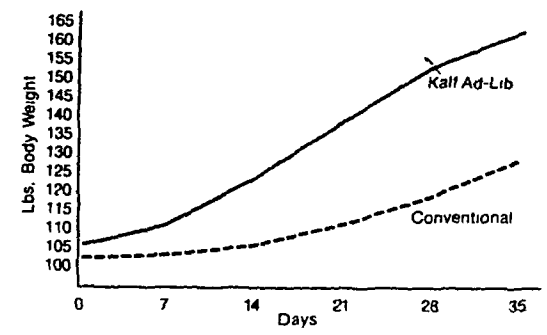

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Cherry Hill Orchards Outlet

Determination and farm market loan turn dream to reality

BY TRISH WILLIAMS

NEW DANVILLE — After 25 years as an orchardist, and 10 years of contemplating opening a farm market for selling his produce, Richard Haas, owner-operator of Cherry Hill Orchards realized his dream. One year ago this month, Haas opened his new Cherry Hill Orchards Outlet, at the intersection of Marticville Road and Long Lane in New Danville.

The layout of the new market facility is Haas' original design, and its convenience to both customers and retailer, reflects the many years of planning Haas put into the project.

Haas is a very personable man, and outwardly appears to be a very easy going person. But there is a mainspring of determination that kept Haas working toward his goal of opening a new direct marketing facility, even when confronted with many obstacles that would have caused a lesser man to give up.

With four farms in orchards, all in Pequea township, Haas was confident that he could easily supply a farm market from his own production. One of the farms that he owned had a lot of road frontage, along two roads, so he selected the building site at the intersection of these two roads. The land was zoned agricultural, which permitted the land to be used for a farm market.

So, in April 1980, Haas applied to the township zoning hearing board for a building permit. The board approved the application in May, but the approval was appealed by Turkey Hill Farms, owners of over 100 retail markets in Lancaster County. This caused the case to go to county court, where the application was again approved. Again, Turkey Hill appealed the approval, causing the case to go to the state courts. The state court gave the application for a building permit its final approval, and Haas got the go ahead to build his market to sell his orchard crops. The final approval came in May 1982, exactly two years after Haas had received his first approval from the township zoning board.

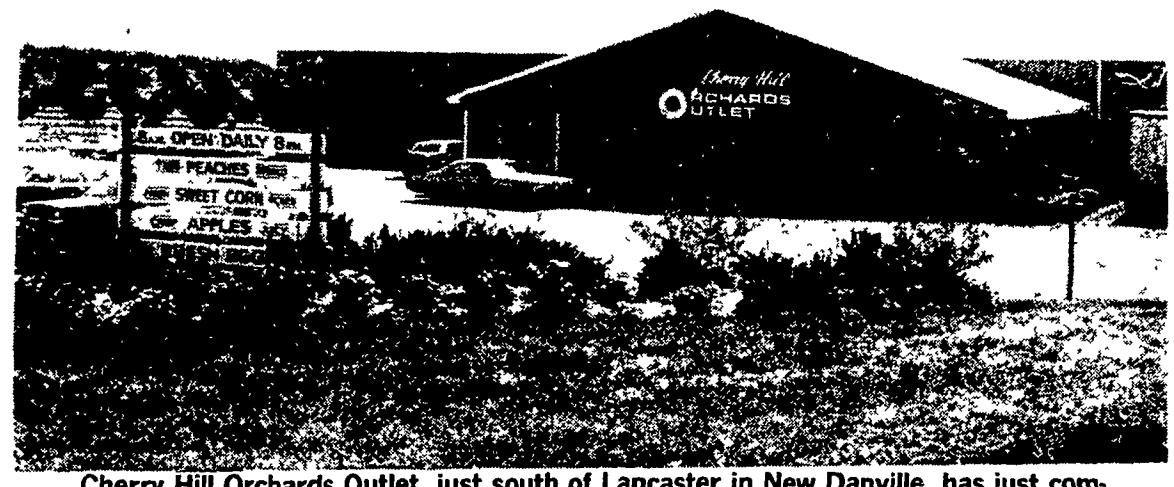
If any good came out of the arduous court battle with Turkey Hill Farms, it would have to be that by the time Haas was ready to build his market, the Pennsylvania Department of Agriculture had instituted a Farm Market Loan Program to help finance low-interest loans to Pennsylvania family farmers involved in direct marketing of farm products. Haas was eligible for the program, applied and received a low-interest loan to help finance the construction of the market.

Construction began soon after Haas received the building permit and financing, and by August 1982 his goal was obtained. He was selling his own orchard crops at the Cherry Hill Orchards Outlet.

"We chose to call the new facility an outlet," explained Haas, "because we feel it better connotes what we are trying to do, than the term farm market. We are the fruit producers, selling directly to the public. There are over 50 farm markets in Lancaster County, so it is a rather competitive business. Our use of outlet is more distinctive."

Cherry Hill Orchards Outlet is a very distinctive family operation. I don't believe I have ever seen a more attractive farm market in all my shopping days. The market is one of Pennsylvania's Finest Certified Farm Markets.

The exterior is well landscaped, with easy access to two roads. The interior is immaculate, with a rustic decor of barn wood paneling and displays made of apple crates.



Cherry Hill Orchards Outlet, just south of Lancaster in New Danville, has just completed its first year of selling directly to the public from this new market facility.

All the produce is top quality and prices are clearly marked, the outlet's clerks are well informed and friendly, and all items are attractively displayed, making the shopping experience a very pleasant one, one that you would want to repeat, time and time, again.

Haas' wife, Joy, and four children, Tom, 16, Matthew, 14, Peter, 11, and Becky, 9, all work in the business. With a total of 470 acres being farmed, it takes the entire family, and plenty of hired help to make the operation go. Cherry Hill gets its name from the predominant crop, 130 acres of sweet cherries. Other crops grown are, 55 acres of peaches, 40 acres of apples, 1.5 acres of plums, 10 acres of nectarines, 15 acres of pears, 1.5 acres of apricots, .75 acres of raspberries, and 15 acres of sweet corn.

The Haas' operate a laying house with capacity for 60,000 hens. The hens are under contract with Pennfield Feeds, who supply the feed and reduce some of the operating risk. The eggs are graded by Pennfield, and sold in the outlet.

Customers are given the option to pick their own fruit at several locations on the farm. Pick-your-own gives large volume buyers another less costly buying option and eliminates some of the harvesting costs for Haas.

Although Haas has attained his goal of direct marketing his own produce, he admits that retailing is a much more complex proposition than wholesaling, and advises very serious deliberation before setting your sights on direct marketing.

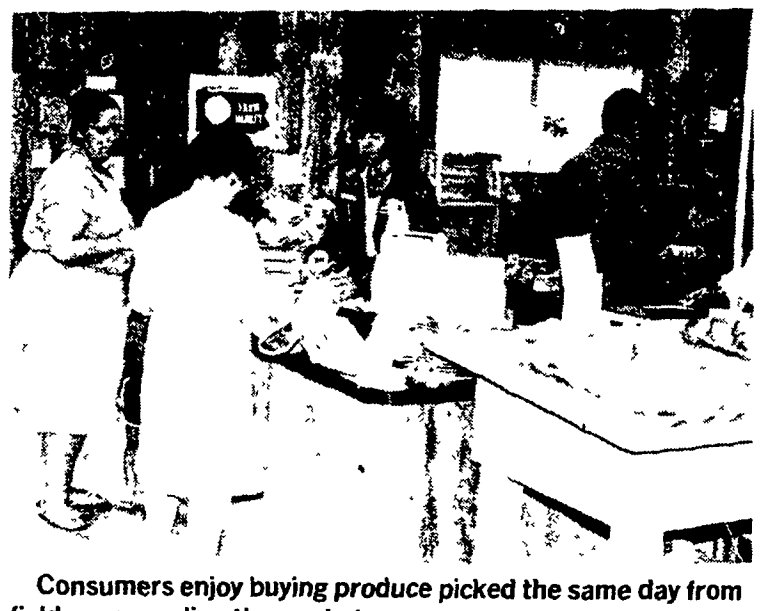
For those family farmers with a desire to direct market their produce, there is still over $400,000 left in the Farm Market Loan Program, for those who qualify.

To be eligible, you must meet the following requirements:

1. You must be a farmer and produce a reasonable amount of what you sell at the market. Any farm product is eligible.
2. The building project must be either a new market or an expansion of an existing market (equipment or improvements to existing facilites).
3. You must be unable to provide the money from your own resources.
4. You must borrow at least half of the cost of the market project from a lending institution.
5. The lending institution should include in a letter recommending the loan, that this loan would not be feasible without the loan from the Department of Agriculture.

For further information, write Donald Unangst, Director, Bureau of Agricultural Development, or call 717-783-8460.

Richard Haas, owner-operator of Cherry Hill Orchards, has vertically integraded his enterprise, taking responsibility for the production, processing and marketing of his produce, from soil preparation prior to planting to selling his produce to the ultimate consumer.



Consumers enjoy buying produce picked the same day from fields surrounding the market.

Tom Haas assists pick-your-own customers by directing them to good picking areas and transforting the fruits of their picking back to the check out stand.

After 10 years of planning Hass knew exactly how he wanted his market and orchards layed out, so that he moves his fruit from the orchard to the consumer as quickly and cost efficiently as possible.

Penna. peach season is in full swing

HARRISBURG — Peaches are here and they are better than ever. The hot, dry weather conditions experienced across the state has created increased production of natural sugars in the peaches, causing them to be sweeter than ever, according to the State Agriculture Department's Bureau of Marketing.

The Red Haven peach is the variety currently being harvested statewide. Red Havens are one of the best varieties for freezing and canning because they are firmer and hold their shape better than many other varieties.

Sun High, Loring and Blake are popular mid-season varieties that follow the Red Haven season. Sun High and Loring are excellent peaches for canning and freezing, but Blake is an excellent eating peach. The recommended late season peaches for canning or freezing are Rio Rosa Gem and the Jersey Queen variety.

Now is the time to buy your Pennsylvania peaches. Look for ones with a creamy yellow background color behind the red blush. Ripen at room temperature until they are soft, juicy and fragrant. Bake a pie, freeze, can or eat delicious Pennsylvania peaches today.

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- *The Receiver guards against butterfat loss, and that improves milk quality!*
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- *Select from four models, in 50- through 350-gallon sizes, to meet your hot water requirements!*
- *Patented stainless steel Temp-Plate Heat Transfer Surface promotes rapid heat transfer!*
- *Save between 60% and 100% of the wasted heat generated by your milk cooling system and produce free hot water and save dollars!*
- *The Tri-Plate Fre-Heaters are available in 2 through 5 hp sizes, for small or large dairy operation!*
- *Mueller's five-year warranty on the heat exchanger is unmatched in the industry!*

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Puffin' engines roll in at Thresherman's Reunion

BY LAURA ENGLAND

KINZERS — A group of people stands, backs slightly bent, as they repeatedly raise and lower their flails — a staff with a freely swinging switch — down over a pile of wheat. The air becomes dusty as the chaff separates from the grain, but the group continues beating the wheat in a rhythmic fashion.

A scene from biblical times? It could be, but what's described here is part one of the "Pageant of Threshing" demonstration, a daily activity of the 35th annual Old Thresherman's Reunion.

A four day event, the Thresherman's Reunion brings together a mixture of old and new, preserving the agricultural past while introducing the agricultural future. Sponsored by the Rough and Tumble Engineer's Historical Association, Inc., the event is set for Aug. 24, 25, 26 and 27, at the association's museum in Kinzers.

Rough and Tumble is an association of volunteers who are dedicated to the preservation and restoration of old-time industrial, farm and home devices. Through demonstrations of tools and machinery, the association attempts to keep alive the ways and means of yesteryear.

With this goal at heart, Rough and Tumble members sponsor the reunion each year to demonstrate the working of steam and agriculture-related equipment. Much of the machinery is already housed at Kinzers, and about three-fourths of the museum's steam traction engines and machinery will be operating during next week's festivities, said Nevin Brubaker, Rough and Tumble president.

One featured piece of equipment, which will not be in operation however, is a Snow steam pumping engine donated to Rough and Tumble last year by the York Water Company. According to Brubaker, the association plans to restore the engine, which is capable of pumping eight million gallons of water an hour, within a year.

Machines and engines currently restored will be among the day's programs. The daily featured event, the Pageant of Threshing, will begin with a flailing demonstration, a biblical method of separating the chaff from the wheat grains, said Jim Conte, a member of the association's board of directors.

Conte explained that the Pageant of Threshing retraces history's methods of threshing wheat. The biblical method, he said, will be followed by hand winnowing, tossing the wheat into the air. Next is horse-powered machinery and ground hog separater and on down the line to present day methods.

Conte, who says he was born with steam and cinders in his blood and a generation too late, is a steam engine buff who works in the Steam Building at the musuem. In addition to the special programs sponsored by the reunion, Conte said the museum's buildings will also be open for tours and demonstrations.

MUSEUM ATTRACTIONS

Along with the Steam Building, the Model Building is another museum attraction. Spearheaded by 63-year-old Moses Stauffer, Palmyra, this building houses operating, small scale steam and gas engine models.

Stauffer, a member for 30 years, works in the building about five days and month, demonstrating the working of his 30 models. Many of the models are of his own creation, and some, such as his oil rig, are exact replicas of industrial engines.

During the Thresherman's Reunion, Stauffer said the models will be running eight hours a day. Powered by steam, the models have moving parts that work lights, windmills and even the oil rig with flowing oil.

Stauffer, a retired electrician, said he "gets kinda bored with TV" and finds working with the models a nice retirement hobby. He also enjoys his involvement in the Rough and Tumble Association, not only because of his own interests, but for the opportunity to share some of the past with others.

The Thresherman's Reunion, he added, offers a chance for socializing and swapping ideas. More importantly, it brings yesteryear alive.

DAILY EVENTS

Daily events at the Thresherman's Reunion begin at 10 a.m. with the official opening ceremonies, followed by machinery demonstrations. Each day an attraction will be highlighted. On Wednesday will be a threshing spectacular, and Thursday features square dancing with Warren Mercer and his Royal Ramblers. Friday's event is steam games, and a hymn sing will be held Saturday.

The schedule of events is:

10:30 — Machinery in operation.

12:00 — Noon whistle blow.

1:00 — Pageant of Threshing, inside Little Toot Railroad Circle.

1:30 — Threshing by Steam Powered Threshing Rig west of speakers stand.

2:30 — Corn harvesting demonstration north of gas engine exhibit area.

3:00 — Quilt auction (Saturday only).

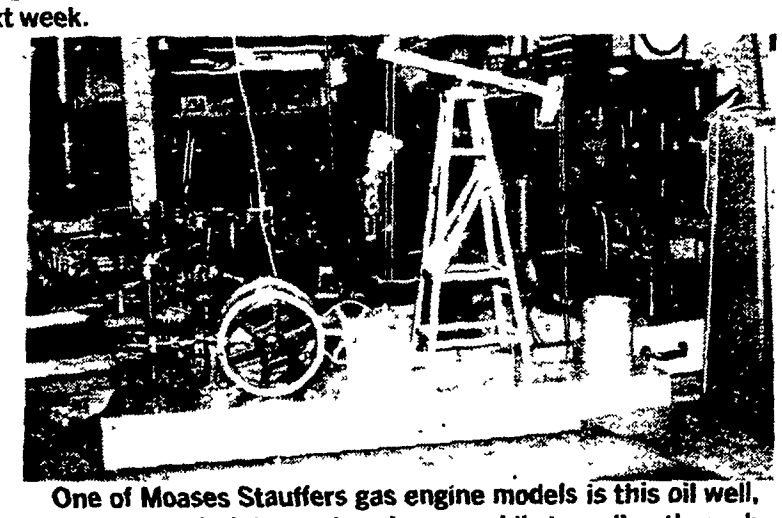
3:30 — Grand parade, grand stand area.

4:30 to 6:30 — Supper served.

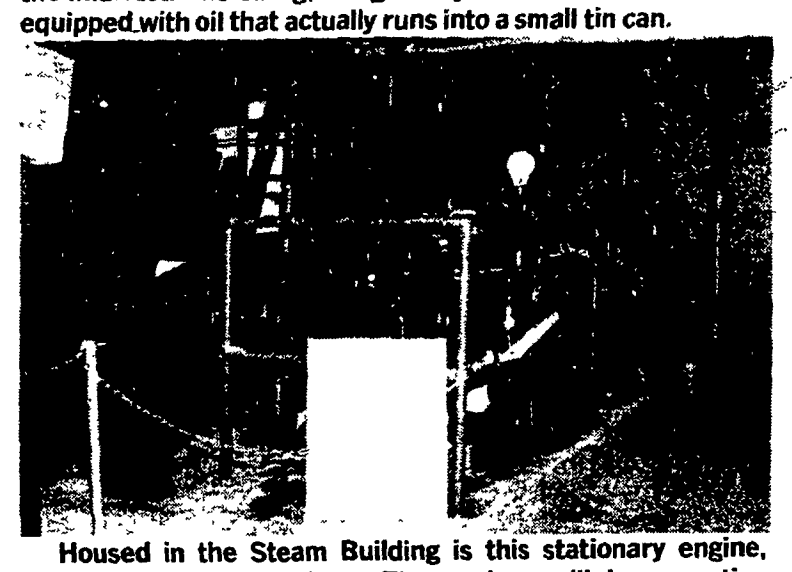
6L30 — Evening programs begin.

In addition, exhibitors booths will be set up and a John Deere tractor display will be featured

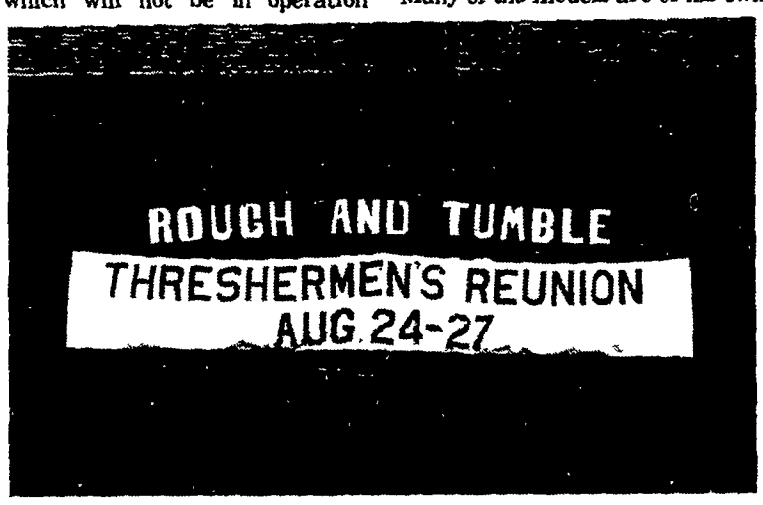
Nevin Brubaker, president of the Rough and Tumble Engineer's Association, poses with one of the steam engines that will be featured at the association's annual Thresherman's Reunion next week.



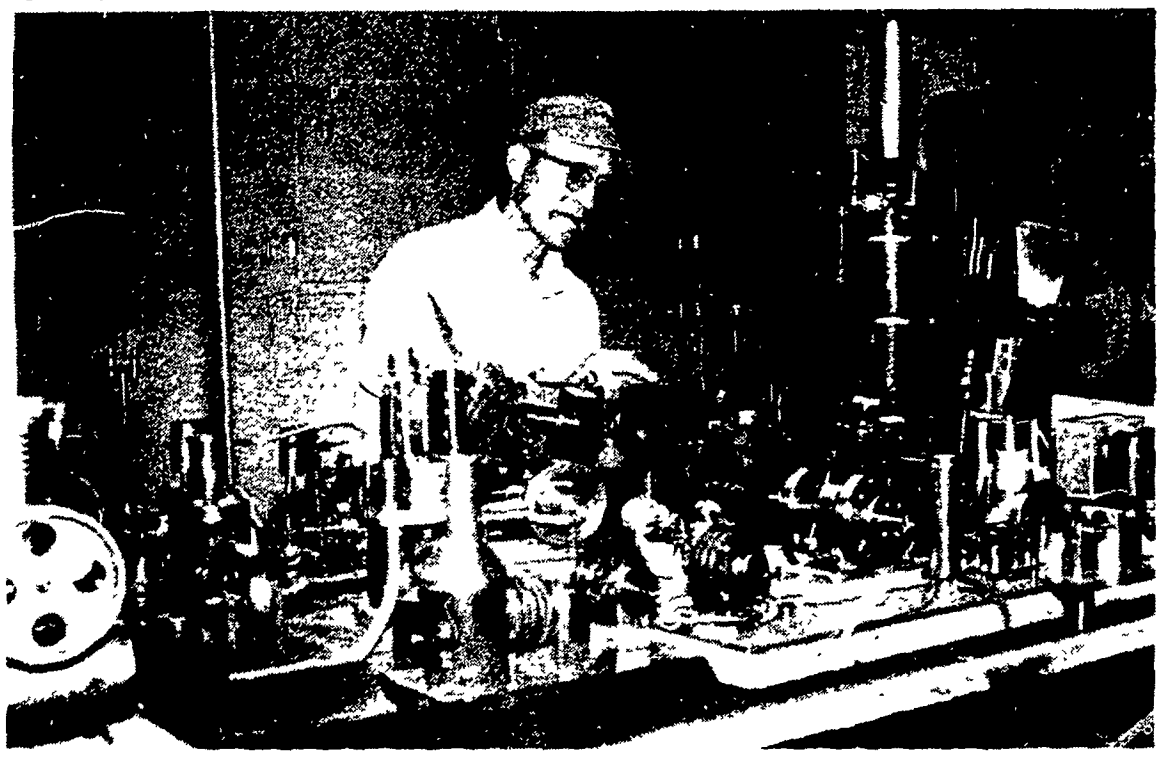
One of Moases Stauffers gas engine models is this oil well, an exact model of the engines he saw while traveling through the midwest. The oil rig, designed by Mr. Stauffer himself, is equipped with oil that actually runs into a small tin can.



Housed in the Steam Building is this stationary engine, along with several others. The engines will be operating during next week's festivities.



This sign, strung up on a shed at the Rough and Tumble Museum, Kinzers, is inviting all to the 35th annual Old Thresherman's Reunion. Daily events include the "Pageant of Threshing," demonstration, machinery in operation and a grand parade of steam-powered engines.



Moses Stauffer, Palmyra, a 30 year member of the Rough and Tumble Association, spends much of his spare time at his workbench, tinkering with his steam engine model collection. "My 30 years is right here," he says with pride while looking over his models.

Bootsma, Bicksler top Kutztown Show

KUTZTOWN — The Holstein dairy cattle judging followed the showing and fitting classes with almost 200 entries for the 1983 Kutztown Fair.

The Grand Championship of the open show was awarded to the entry of Jacob Bootsma, Glenfalls Dairy, R1, Hamburg. Glenfalls Elevation Deloras, and Elevation daughter, caught the judges eye in five-year-old class and went on to get his nod as Senior Champion and Grand Champion. "This is a beautifully balanced cow," Donald Heffner, judge for the show, stated as he gave her the Championship.

The Reserve Championship title went to Gary Bicksler, with his four-year-old, Russelldale B Chief Amber, who helped Gary take several top placings throughout the evening. Gary and Amber received the Championship in the Youth Division and also was awarded the second best udder in the show. First place udder went to

(Turn to Page A39)

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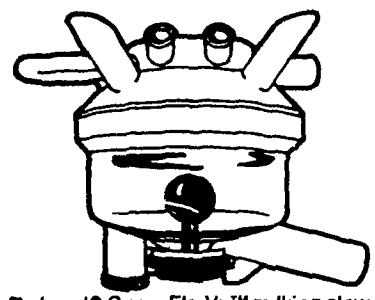

The De Laval® Super Flo-Vu™ milking claw is the newest thing in milking. It features an extra large, extra tough plastic bowl that twists off for easy inspection and cleaning. And the Super Flo-Vu Claw can be used with all De Laval and many competitive milkers. Check these other features:

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Check with us for full information on the Super Flo-Vu Claw and other fine De Laval dairying equipment.

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De Laval technology enables you to place the dairy herd's grain feeding program under computer control. With the RationMaster Feeding System, each cow gets only the concentrate needed for optimum milk production. Components include neck-worn transponders...single-stall feeding stations where grain is dispensed automatically...and a Computer Command Center where a micro-processor stores and retrieves data on individual animals. Reduced labor, more milk, less wasted feed, healthier cows, and shortened calving intervals are typical benefits. Let us explain more about the RationMaster Feeding System — Module One of the advanced De Laval® HerdMaster™ Management System.

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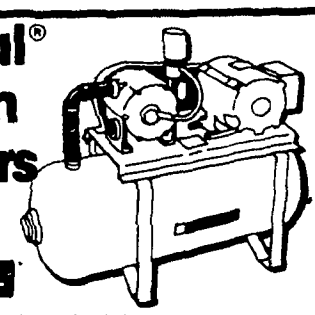

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- "Water Ring" series — technically advanced system available in 10, 15, 25 and 40 HP models. Rotating shaft is only moving part Extra quiet operation

Check with us for additional information on De Laval Vacuum Suppliers and other quality De Laval products designed to make you a better, more profitable dairyman.

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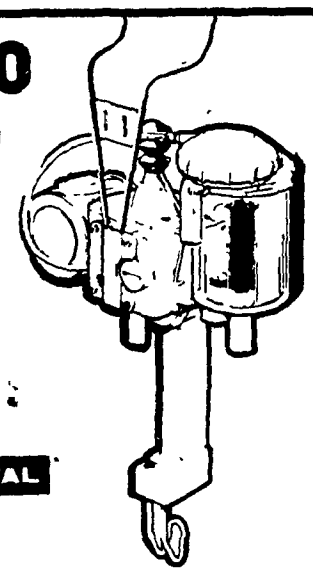

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The De Laval® DV-300™ milking system senses milk flow and automatically shifts vacuum levels and pulsation rates for stimulation, milking and post milking. That means less stress on your cows and improved milking routine for you.

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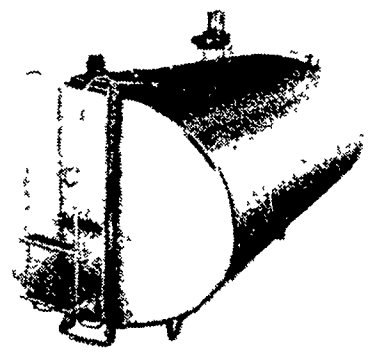

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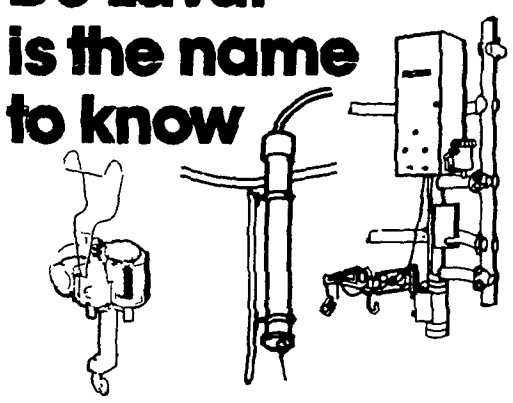

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- DV-300™ milker — rugged milker features automatic shifts of vacuum levels and pulsation rates.
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Della-Matic™ Water Bowl

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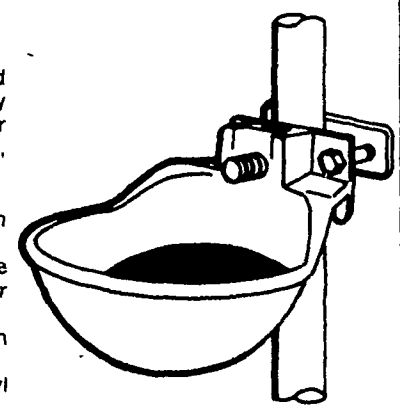

Access to fresh water is important for good milk production. And with the large capcity De Laval® Della-Matic water bowl your dairy cows can get all the water they need, when they need it. Check these features.

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Southcentral Holstein Show

(Continued from Page A1)

Breeder and Premier Exhibitor awards of the show.

Thomas and Shayne Dum, Dumbelle Farms, Landisburg also claimed numerous first place award and trophies during the day-long championship show.

Grand Champion of the show was awarded to Thomas and Shayne Dum for their 4-year-old entry, Dumbelle Peachum Ingrid. Officiating judge, Lynn Miller, of Towanda, remarked that Dum's grand champion was a quality cow, a dairy machine from head to hoof.

Steve Cornman claimed the Reserve Grand Champion title with his 4-year-old, Justa-Beauty Trixie Roxy. Roxy then went on to help claim the first place ribbon in the Best Three Female class.

Junior Champion female honors went to Golden-Circle Ultimate Brook owned by Paul and Sharon Fox, of Rockwood. The judge remarked, "This is quite an oustanding senior yearling." The junior champion is out of Carrdale Kit Builder Boo and sired by Quality Ultimate. Collecting the Reserve Junior Champion award was Robert Mowery with the Junior Yearling, Windy-Knoll View Sexation Miss.

Grand Champion Male went to the senior yearling bull of Barry Donmoyer. Reserve Champion Bull a senior bull calf, Dyar-Acres Ultimate Persuasion owned by Rebecca Dyarman.

Over 140 animals competed in the show from all-over the Southcentral region of Pennsylvania, making a very impressive display of top-notch Holstein cattle.

The top three individual class placings are as follows:

Senior Bull Calf 1 Rebecca Dyarman, 2 Margaret H Bomgardner, 3 Robert Gitt
Junior Yearling Bull 1 Randy Yost, 2 Mark Naugle
Senior Yearling Bull - 1 Barry Donmoyer
Champion Bull - Barry Donmoyer
Res Champion Bull Rebecca Dyarman
Junior Heifer Calf - 1 James and Nina Burdette, 2 James and Nina Burdette, 3 Robert Gitt
Intermediate Heifer Calf - 1 Thomas Boyer, 2 Rodney Meyers; 3 Jennifer Reasner
Senior Heifer Calf - 1 John Bomgardner, 2 Dale Hostetter, 3 Thomas Boyer
Junior Yearling Heifer - 1 Robert Mowery 2 Michelle Cornman, 3 Bridgette Boyer.
Senior Yearling Heifer - 1 Paul & Sharon Fox, 2 Bridgette Boyer, 3 Deborah Cashell
Junior Champion - Paul & Sharon Fox
Res Junior Champion - Robert Mowery
Junior Best Three Females - 1. Windy-Knoll View, 2 Paul & Sharon Fox, 3 Sunnybend Farm
Dry Cow-4 years and Under - 1 Margaret Bomgardner, 2 Creedin Cornman, 3 Paul Dyarman, Sr.
Dry Cow-5 years and over - 1 Edgar Showaker, 2 Frances Cornman, 3 John Stamy IV
Junior 2-year-old - 1. John Stamy III, 2 C E Hubbard III, 3 Irene Benner
Senior 2-year-old - 1 Galen Smith, 2 C E Hubbard, III, 3 Robert Gitt
Three Year Old - 1 Creedin Cornman, 2 Thomas & Shayne Dum, 3 Thomas & Shayne Dum
Four Year Old - 1 Thomas & Shayne Dum, 2 Steve Cornman, 3 Richard C Lock
Five Year Old - 1 Nealand Farms, 2 Leroy Showaker, 3 Cinday Showaker
100,000 lb class - 1. Creedin Cornman
Six year old - 1 Robert Kauffman, 2 Stanley Helman, 3 Thomas & Shayne Dum
Senior & Grand Champion - Thomas & Shayne Dum
Res Senior & Grand Champion - Steve Cornman
Best three females - 1. Justa Beauty Holsteins, 2. Dumbelle Farms, 3 Smithdale Farms
Produce of Dam - 1 Dumbelle Farms, 2 Nealand Farms
Dam and Daughter - 1 Dumbelle Farms, 2. Corlan Farm, 3. Justa Beauty Holsteins.

Grand champion of the Southcentral Championship Show, Dumbelle Peachum Ingrid, with owners, Thomas and Shayne Dum and family, with Perry County Dairy Princess Roxanne Gable.

Reserve grand champion of Southcentral Show, Justa Beauty Trixie Roxy, a four-year-old and owner Steve Cornman with Creedin Cornman holding trophy.

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Seed availability discussed at kick-off

BY KIMBERLY HERR

HARRISBURG — Regardless of severe drought conditions, which wreaked havoc on many crops this season, farmers do not have to worry about the availability of quality seed corn, according to Jack Christie, corn and soil marketing manager from Migro Seeds.

Christie was one of the guest speakers at the annual dealer kick-off, sponsored by P.L. Rohrer and Bro., Smoketown, and the National Association of Plant Breeders at the Penn Harris Convention Center, Harrisburg.

"We had an excellent seed crop last year," Christie told his audience of seed dealers from Eastern Pennsylvania. "Our seed supply this year is more than adequate. We will be selling a lot of carry over seed."

Christie told his audience that he had traveled 4,000 miles through the cornbelt. Of the government prediction of a corn yield of 5.2 billion bushels, he said, "Things, I don't think, have improved and probably have deteriorated."

"The market is reacting to a declining crop," Christie said. "Markets are as good right now as they are going to be for some time," Christie said.

He did caution the dealers not to delay in ordering special kinds and sizes of seeds.

Christie showed a slide presentations on the NAPB Corn Research Program. He explained the major concerns were standability, disease, vigor and cold tolerance.

A second presentation detailed the various strains of corn seeds available through Migro. Christie advised the dealers of the types he would recommend and warned against those that would not hold up against the diseases in this area.

Jerry Stroud, a regional manager for NAPB, introduced two new strains of wheat NAPB will be coming out with. Hunter, which will be available this year has good resistance to powdery mildew, a problem in this area.

Magnum, another new strain, will be available in 1984.

The second guest speaker was Warren Thompson, national marketing manager of RP Seeds. The thrust of his presentation was alfalfa. Thompson explained to the dealers, through a slide presentation, some basic steps for cultivating an above average crop. He recommended that farmers: 1. Use lime and fertilizer 2. Establish thick stands. 3. Cut for quality and presistance. 4. Minimize harvest loss 5. Topdress with needed nutrients 6. Trouble-shoot your stands.

Concerning harvest loss, Thompson suggested using the silo instead of baling.

"If alfalfa is good enough to bale, it is good enough to put in the silo," Thompson said.

He went on to say that 22 percent of the yield is sacrificed in harvesting and mowing processes.

"We've got to improve on that," he said.

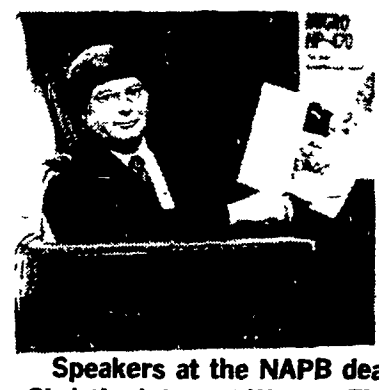
Thompson offered the dealers another suggestion to pass on to their customers:

"Don't follow alfalfa with alfalfa," he said. "Follow alfalfa with a row crop."

Thompson concluded his presentation with this question, "Where does PIK lead us?"

Thompson explained that he believes PIK will lead farmers to higher row crop yields and more forage emphasis. Thompson added that he believed PIK will also show the value of crop rotation on yields and erosion control.

"PIK influence is here to stay," Thompson.



Speakers at the NAPB dealer kick-off Tuesday were Jack Christie, left, and Warren Thompson. Both speakers offered recommendations for the dealers to pass along to their customers.

Counties approved for grazing on use acreage

HARRISBURG — Several counties have received approval for the emergency grazing of conservation use acreage, the state Agricultural Stabilization and Conservation Service announced Thursday.

Counties approved are Adams, Bedford, Berks, Blair, Chester, Cumberland, Dauphin, Franklin, Fulton, Juniata, Lehigh, Montgomery, Perry, and York.

Producers interested in the program must receive permission from their county ASCS office. All requests for permission to graze must be sent to the county office.

Earlier this month, the U.S. Department of Agriculture issued special provisions that will allow producers in drought affected counties to graze their livestock on their own conservation use acreage. Grazing will be restricted to livestock owned by the producer as of Aug. 1.

Conservation use acreage is cropland that has been removed from production and devoted to approved cover as a requirement for the acreage reduction program, paid diversion and the payment-in-kind program.

See the mile-a-minute weed

AG PROGRESS — Can you imagine a weed that's taller than Kareem Abdul-Jabaar, Julius Erving, and Larry Bird combined? Well, the "mile a minute weed" has been spotted in York County, and one will be on display during Penn State's Ag Progress Days.

Also called the "tearthumb," this weed's vine grows up to six inches a day during the peak summer months, and vines grow to heights of 20-25 feet, says Nathan L. Hartwig, Penn State association professor of weed science.

The weed is just one of many educational exhibits to be presented during Ag Progress Days. The popular "Common Weeds of Pennsylvania" display will also be featured in the College of Agriculture tent.

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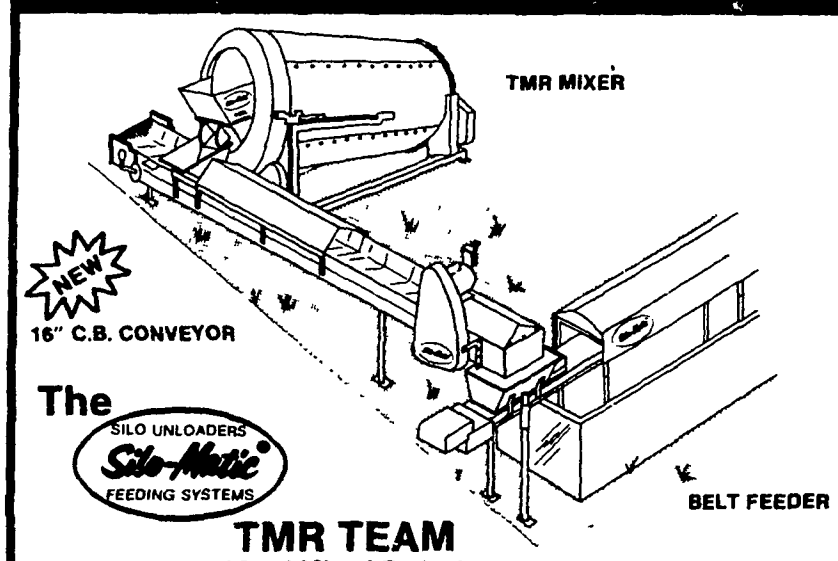

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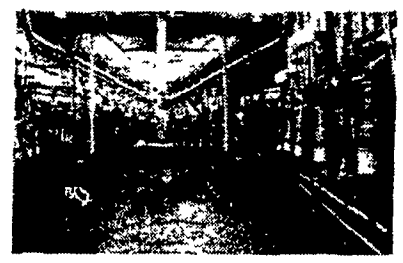

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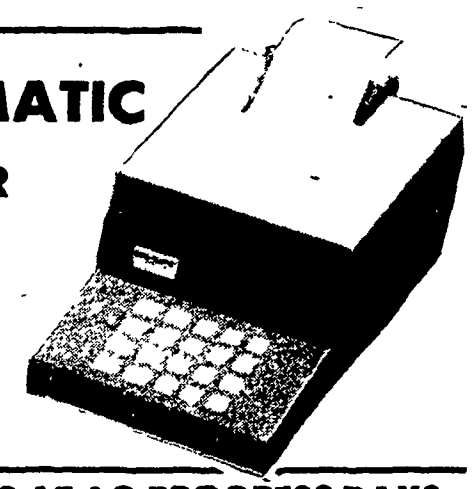

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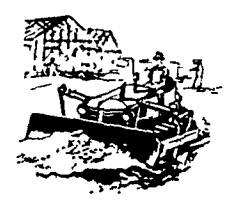

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Plowing history

(Continued from Page A21)

came from the Case company, and from an Indiana firm specializing in reproductions Noonan found decals for a finishing touch.

A total of 540 hours later — he kept track — Noonan's rebuilt machine was finished, just in time for it's initial public appearance in the 1982 Halloween parade.

Since then, the antique tractor buff has "played a little" with his Case at tractor pulling contests, and done a bit of plowing with it.

That the 1930 Case and the old Case plow hooked behind can still hold their own in the tillage world was attested to when Noonan and his rig took second place in the national championships in York County last week.

Among the regulars at the national antique plow contests is Bruce Davis with another vintage Case. Davis' entry is a 1939 model he acquired from a friend.

"It was in pieces," is how Davis describes the assortment of parts he hauled to his Maplewood, Ohio home. "But most of them were there, and the tractor is all original."

This Case model also brings back sentimental memories for the Ohio plumber by profession, but a "farm-boy at heart," whose father began farming with a similar tractor.

Davis has plowed at every one of the five national antique plow contests, in which only machinery made before 1938 may be used.

Using Case centennial model plow over 40 years old and found by friends in Versailles, Oh., Davis has claimed the national trophy in both 1980 and 1982, and plowed at the 1981 world antique contest, held in Ontario, Canada.

In spite of ground that was a little too dry, covered with grass that was still damp from a pre-contest rain, Ohio plowman Frank Judy took third place in the championships.

Judy's entry was a John Deere AR 1936, with a wide front end, one of several classic tractors he has owned since taking up the hobby six years ago, when he retired from the Airstream travel trailer firm in his Jackson Center hometown.

Sadly, just a year ago, Judy lost 15 antique tractors to a fire that destroyed his storage barn.

Like other antique plow enthusiasts. Judy's machine was "junk," which took numerous new pieces and parts.

He, too, was competing in his fifth national antique plowing championship, Judy placed high in the final marks, inspite of having traveled all night to reach the York hosted contest after serving as grand marshall in his hometown homecoming parade the previous evening.

A total of ten contenders took part in the York national antique plow division. However, that field of entries was down considerably from some years of competition, and as high as 60 entrants have entered the contests in the past.

State plowing honors

(Continued from Page A20)

third; Randy Keeney, York County, fourth, and Robert W. Miller, Somerset County, fifth.

Winners in the York County small plow contest, were Hess in first place, Andy Myers, Dallastown, second; Terry Sunday, York R1, third; Jon Miller, Airville, fourth, and Lance Krieger, Dover, fifth.

Randal Keeney, Glen Rock R2, topped the list of large plow entrants, with Jerry Yohe, York R10, in second place, and Jeff Snyder, Dover, third. Andy Myers also took a second in the contour division.

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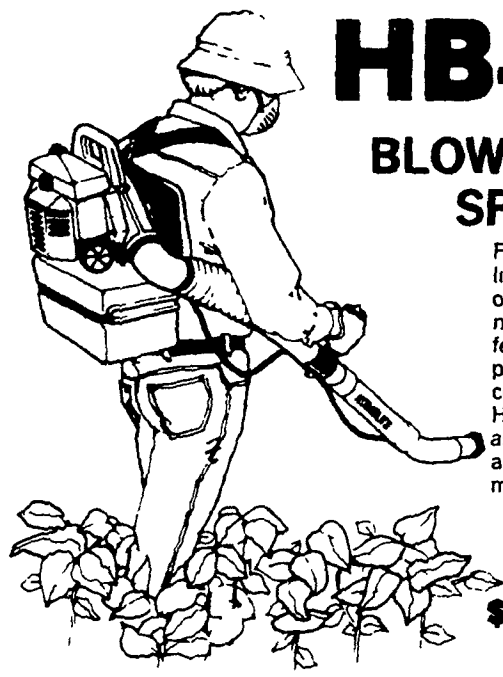

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Plant clinic

(Continued from Page A19)

stuffed in plastic bags. Some still have to be examined. Others he is saving until the fungi or bacteria in the culture dish can be identified. It looks like there is no way to keep order, but he does.

One June day alone, 25 plant samples came in either via the U.S. mail or personal delivery from the owners. Peplinski expects approximately 300 samples a month during the summer; and things won't slow down until fall.

"You never know what to expect," he says. "We see different diseases all the time. Weather conditions, of course, change constantly and that affects plants."

Through county Extension offices, residents can obtain kits for mailing plant specimens or soil samples to the disease clinic. Information about the plant's environment is required and instructions about proper mailing procedures are included. Adherence to the kit's instructions makes it much easier to determine a cause of disease. Peplinski says that quite a few samples from people's home gardens come in during the summer.

Yes, but does he make house calls? Only occasionally. He does take samples from trees on campus, especially to identify those with Dutch Elm disease. Any tree with the disease is immediately cut down. Also, a few years ago, the clinic made the first identification of pine and wood nematodes in Pennsylvania.

Peplinski also consults Extension specialists in entomology, agronomy, horticulture, and forestry. In the lab, his companions are a student aide, the Index of Plant Disease in the U.S. manual, and a microcomputer. The computer is used to store records of clinic specimens so that the information can be quickly retrieved, indexed by crop, county, date, or disease.

Peplinski has an office full of plants, and he's got to find a disease for every one of them.

In addition to coordinating the disease clinic, Peplinski, who received a bachelor of science degree in forest science and a master's in plant pathology from Penn State, is teaching the lab section of the University's graudate course in plant disease diagnosis.

For more information about the Plant Disease Clinic and keeping your plants healthy, come to Penn State's upcoming Ag Progress Days.

Bootsma, Bicksler

(Continued from Page A32)

the Champion. "A pair of cows that spells the word quality and milk," the judge stated when referring to these two top animals.

Reserve Championship in the Youth Show went to Connie Ohlinger with her three-year-old, Reu-Hel Farms Milestone Susie. The two Ohlinger sisters also captured the Junior Championship and Reserve in both the Open and Youth Shows with their heifer entries. Repeating her victory as Junior Champion of the Eastern Pa. Show, was, Reu-Hel Farms Valient Cristy, a Junior Yearling owned by Connie Ohlinger. Taking the Reserve ribbon for the second show in a row was Reu-Hel Farms Sexation Heather, owned by Cathy Ohlinger. The Ohlinger family lives at R1, Mohrsville, Berks County, and milks registered Holsteins. Many of their animals are home-bred back many generations and their bulls are in several countries across the world.

Placings in the open show (listed first by class) and youth show as follows

Junior Calf Class — 1 Keith Buch, Fleetwood 2 Michelle Troutman R1, Richland, 3 Lori Diamond, Bernville

1 Michelle Troutman, 2 Brian Dietrich, New Tripoli, 3 Michael Davis, Leesport

Intermediate Calf Class — 1 Reu Hel Farms, Mohrsville, 2 Connie Ohlinger, Mohrsville, 3 Keith Buch, Fleetwood

1 Connie Ohlinger, Mohrsville, 2 Tamara Miller, Kutztown, 3 Daniel Rice, Kempton

Senior Calf Class — 1 Michael Mertz, Fleetwood, 2 Connie Ohlinger, Mohrsville, 3 Harold Dietrich, Hamburg

1 same 2 same, 3 same

Junior Yearling — 1 Connie Ohlinger, Mohrsville, 2 Keith Buch, Fleetwood, 3 Steve Dietrich, New Tripoli

1 same, 2 Steve Dietrich, 3 Kevin Sattazahn, Womelsdorf

Senior Yearling — 1 Cathie Ohlinger, Mohrsville, 2 Brian Dietrich, New Tripoli, 3 Keith Buch Fleetwood

1 same, 2 same, 3 Tammy Balthaser, Bernville

Junior Champion — Connie Ohlinger, Reserve Cathie Ohlinger

Junior Get of Sire — 1 Connie Ohlinger, 2 William Lesher, 3 Doris Stump

Junior Two Year Old — 1 Kevin Sattazahn, Womelsdorf, 2 Brian Dietrich New Tripoli 3 Cathie Ohlinger, Mohrsville

1 same, 2 same 3 same

Senior Two Year Old — 1 James Younker, Fleetwood 2 Reu Hel Farms, Mohrsville 3 Reu Hel Farms

1 Jay Bicksler, Richland, 2 Clayton Snyder, Oley, 3 Kirk Sattazahn, Womelsdorf

Three Year Old — 1 Connie Ohlinger, Mohrsville, 2 Brian Dietrich, New Tripoli, 3 Jeffrey Davis, Leesport

1 same 2 same 3 same

Four year old — 1 Gary Bicksler Richland, 2 Jonathan Grimes Strausstown, 3 Cathie Ohlinger, Mohrsville

1 same, 2 same, 3 same

Five year old — 1 Jacob Bootsma, Hamburg, 2 Keith Buch, Fleetwood, 3 Cathie Ohlinger, Mohrsville

1 Cathie Ohlinger, 2 Kevin Sattazahn, Womelsdorf, 3 Cathie Ohlinger

Open — Grand Champion, Jacob Bootsma, also Senior Champion, Reserve, Gary Bicksler, also Reserve Senior

Youth — Senior Champion, Gary Bicksler, Reserve, Connie Ohlinger, Grand, Gary Bicksler, Reserve, Connie Ohlinger

Senior Get of Sire — 1 Penny Bicksler, 2 Cathie Ohlinger, 3 Connie Ohlinger

Dam and Daughter — 1 Reu Hel Farms 2 Connie Ohlinger, 3 Kevin Sattazahn

Produce of Dam — 1 Cathie Ohlinger, 2 Doris Stump, 3 Donna Stump

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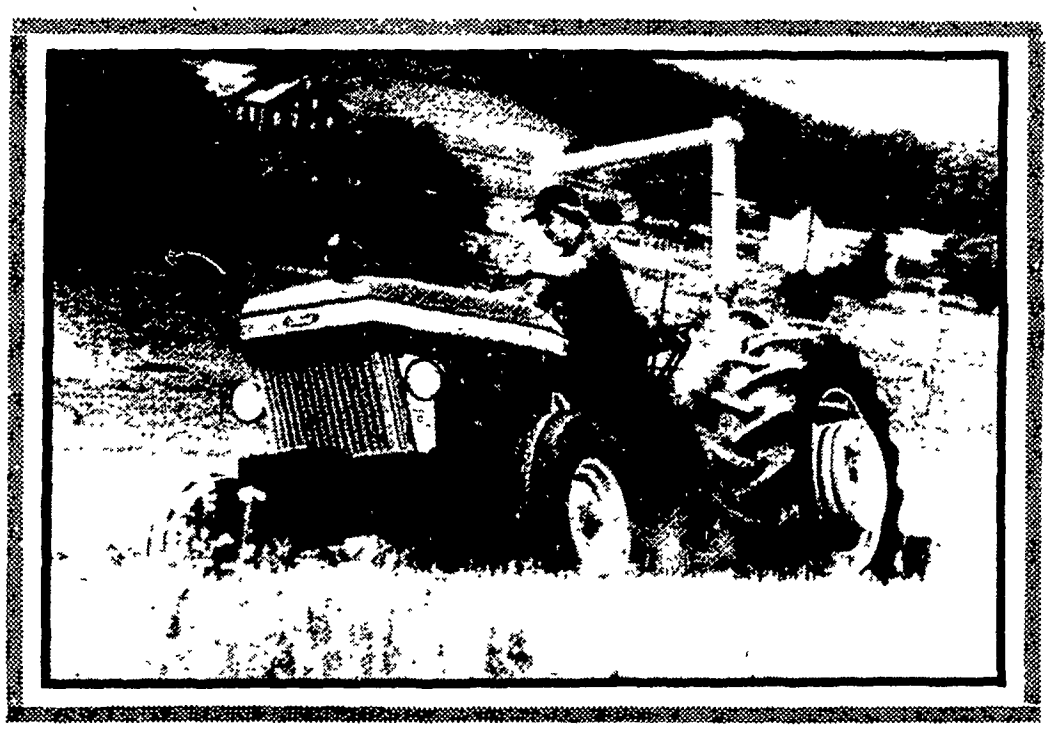

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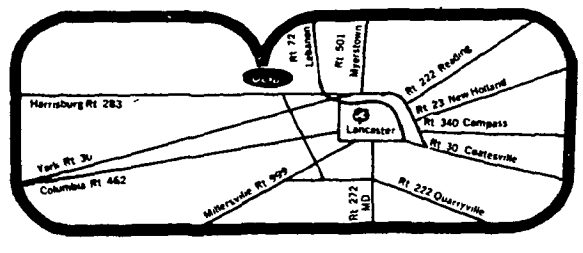

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Located just east of Sassamansville, Pa. (Between Boyertown and Bally turn east off Rt. 100 onto Hofmansville Rd. at Gross School Bus Garage for 4.5 miles; or turn west of Rt. 663 at blinker light for ¼ mile)

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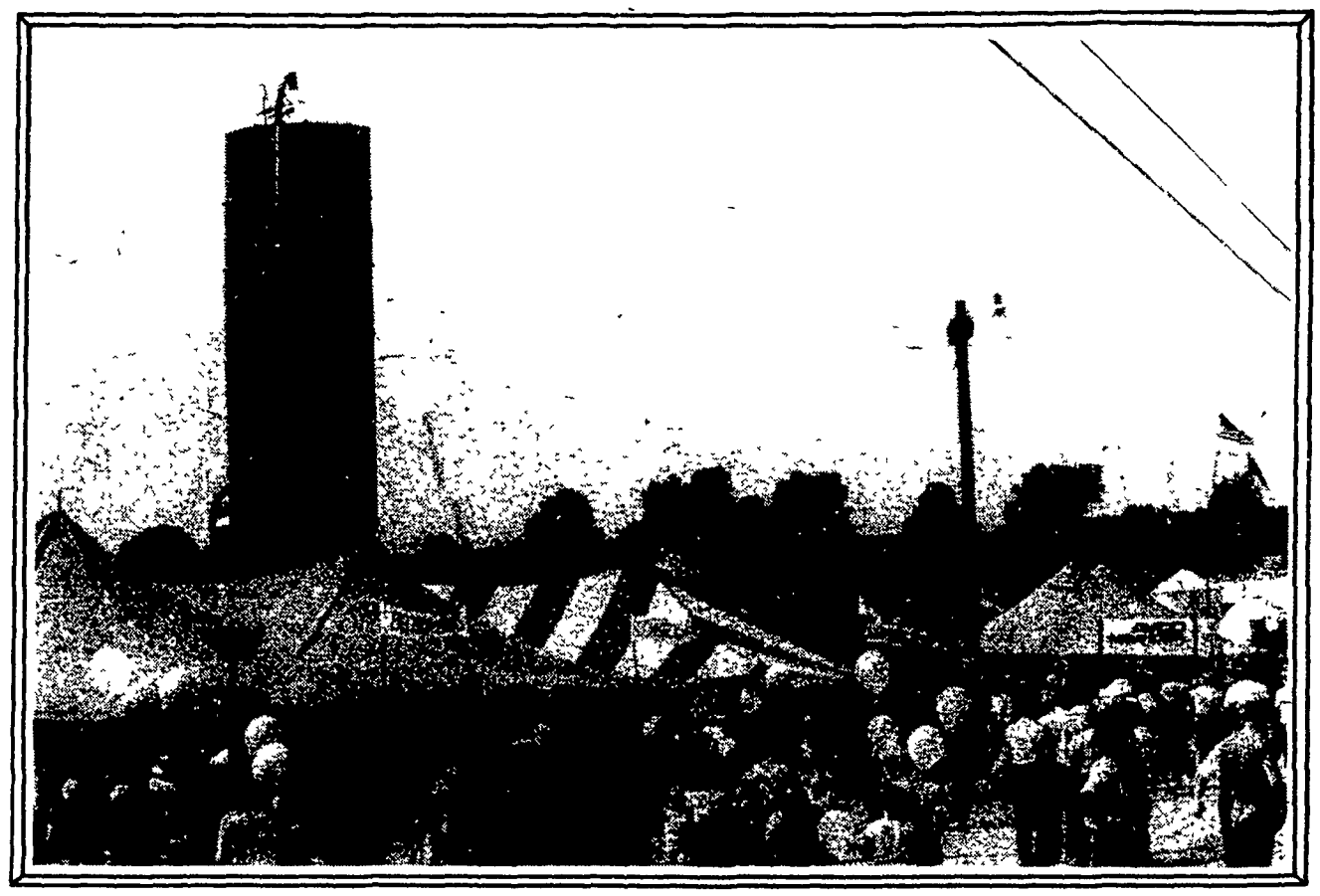

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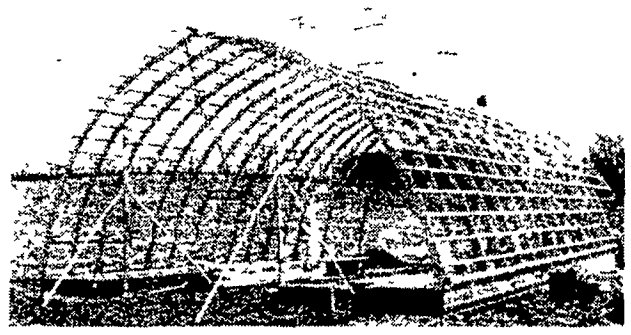

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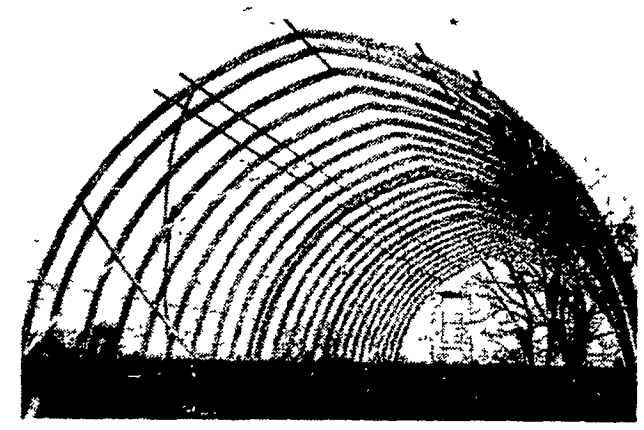

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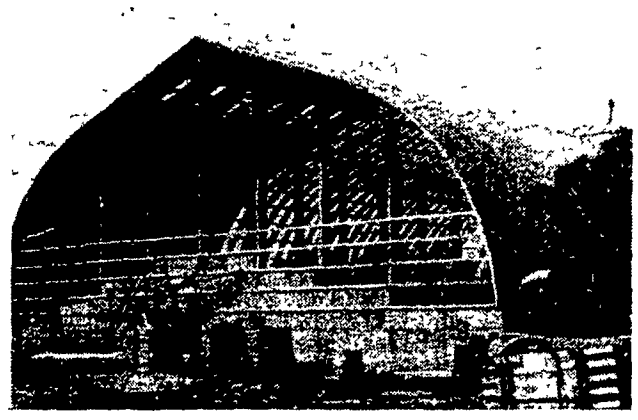

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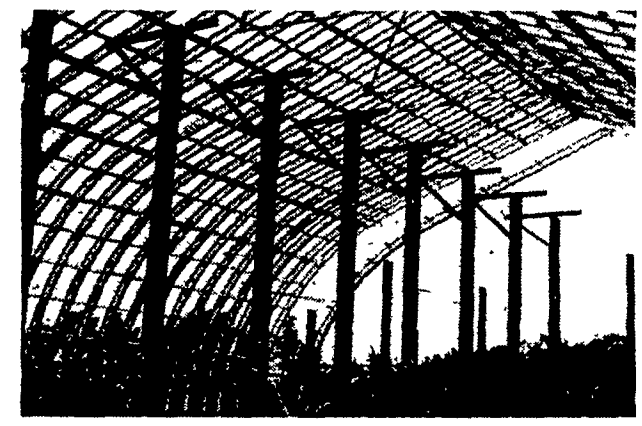

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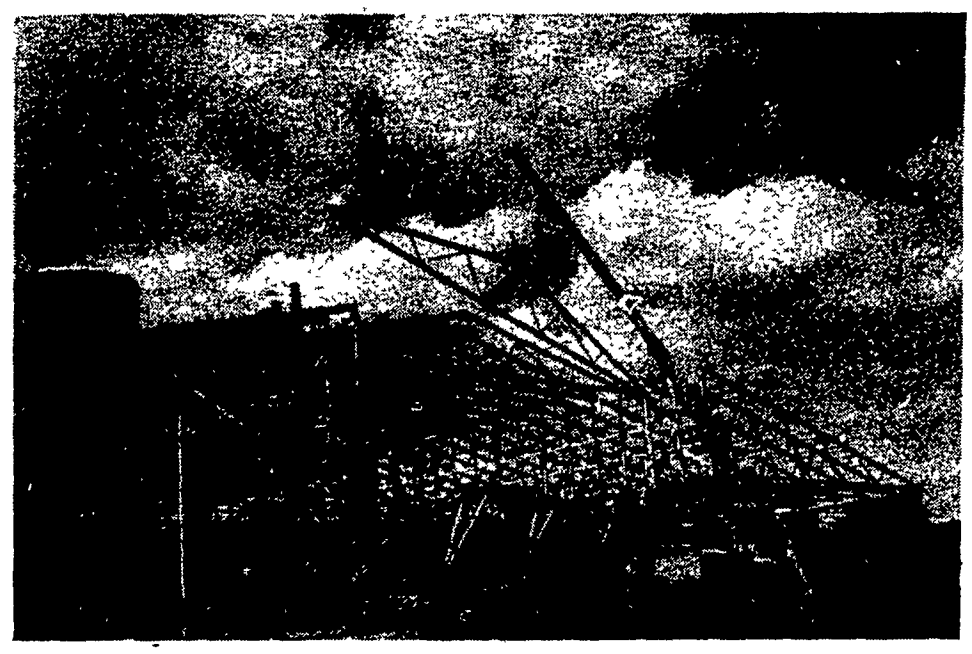

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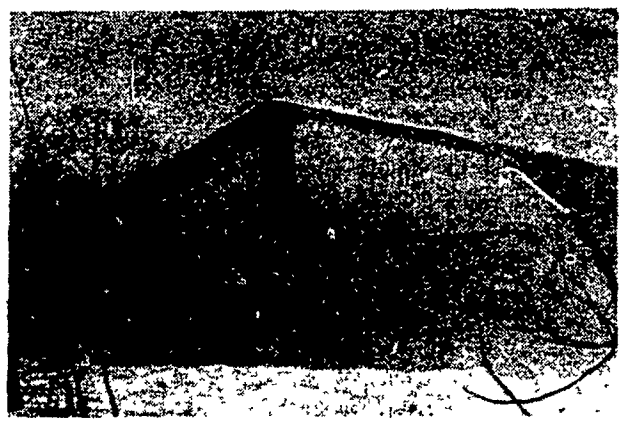

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Save Summer's Bounty the Old-Fashioned Way: Drying

BY SALLY BAIR
Staff Correspondent

Summer is the season for preserving and Elva Charles, Washington Boro, likes to add an extra dimension to her preserving by drying foods. She said, "For me it is an additional way to preserve food when I have enough in the freezer and canned."

There are other good reasons for drying foods, not the least of which is ease of preparation and storage.

Elva said, "First of all, it is practical. It takes little electricity to run the fan in the dehydrator. Second, the storage space is next to nil. And it takes very little preparation in most cases."

"I like the idea of getting back to the basics and doing it the way our forebearers did," she added. "But I don't think they dried nearly as many things as we do."

Indeed, Elva does a wide variety of vegetables, fruits and herbs, including the traditional Lancaster County dried corn and apples. But she also dries strawberries, bananas, peaches, beans, peas, peppers, onions and many herbs.

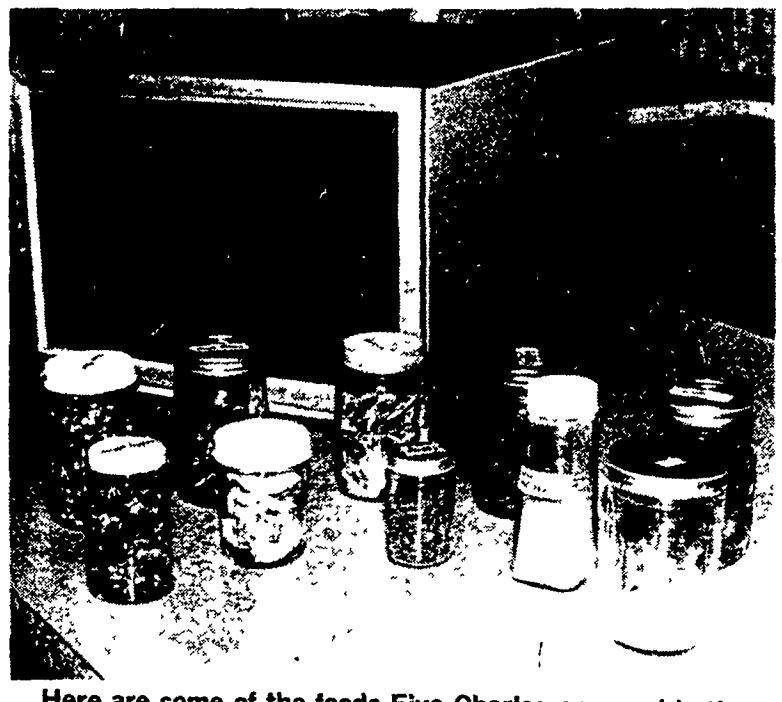
Storage is very easy for dried food. Elva uses airtight containers, such as glass jars or plastic storage units. She stores them in the dark where it is not too warm, preferably under 60 degrees. As a precaution in this hot, humid weather, she has been putting her storage jars in a second refrigerator.

As for preparing the food, Elva said, "I don't treat anything because I don't care if it gets dark. If you don't intend to sell the product, there is no need to blanch, and I don't go into additives." The only vegetables she blanches before drying are peas and corn.

The peas and string beans, which she frenches, are used in soups and stews. Elva said, "String beans fluff up in a few minutes." The only vegetables she eats "plain" is corn.

Elva says the flesh of plums or apricots should be gently pressed out to allow them to dry faster.

Elva harvests some of the mint which she uses in her tea combination. Teas and herbs are easily dried in the dehydrator, and take little space for storage.



Here are some of the foods Elva Charles prepared in the dehydrator. She points out the advantages of drying food are: a delicious taste, ease of preparation, and the small amount of storage space required.

When she is preparing large quantities of onions for the dryer, Elva places a fan strategically so that it blows the air away from her face. "I can sit and do onions for a whole hour without crying because I don't inhale the onion smell." She said the dried onions are a joy to cook, and she often adds dried onions and peppers to hamburgers for a distinctive flavor.

For drying herbs, Elva washes them, drains them in a colander and shakes the water off. She dries them with the stem in place, and when they are "really good and dry," she simply strips the stem. Storage space for herbs is minimal.

Elva likes to make a mixture of her dried fruit, cover with warm water and allow it to set overnight. She said this is a delicious breakfast fruit.

Much of the fruit finds its way into the homes of others, and some has even gone overseas. Elva explained that missionaries from her church enjoy the fruit, and others who travel overseas find it nice to carry along.

Elva is the mother of six children, four of whom are boys who love to hike. Consequently, all of her dried products are welcome on hiking trips.

Deciding when a product is dry enough is a subjective decision. Elva explains that there are two principals of drying. One is that it should be brittle so it rattles, as in the case of beans. The second is that fruit should be like leather or flexible, but dry if you cut down through it. To be on the safe side, Elva admitted that she usually makes her fruit drier that it would absolutely have to be.

"When you put that work into it, you want to play it safe and be sure. If you overdry, you can simply leave the fruit at room temperature and it will absorb some moisture from the air. It is very responsive," Elva said.

While drying is a very old form of preservation, it has enjoyed a renewal of interest in recent years. Elva began her drying in 1976, because "I've always liked apples and corn." She said that when she tried drying in her oven the results were not satisfactory so she began investigating some commercial dehydrators. She eventually settled on a "Little Harvey" dehydrator which was manufactured in Oregon. She liked it so well she began selling them from her home, but the company no longer makes them.

Elva offered suggestions about what to look for in a dehydrator. She said the heating unit should be on the bottom of the dehydrator, and it should feature an adjustable thermostat from 95 degrees to 140 degrees.

A fan is needed to circulate the air horizontally for best drying, and there should be openings at both ends so that the moisture-laden air can get out. She added "proper air flow is important because food loses its nutrition, color and flavor very rapidly." Furthermore, if the air flow is not good, food can get a "cooked" flavor instead of a dried flavor. Elva said that dehydrators on the market have "all sorts of gimmicks" but one to steer clear of is one which re-uses air. Fresh air is needed for good drying.

The trays should be of a reasonable size and not too large, or they will sag in the middle. They also need to be reasonably spaced, for proper air flow.

The material with which the tray is made is important. It should be fiberglass or something similar. The material shouldn't mark the fruit, and it needs to be able to withstand the heat. She cautioned, "Stay away from plastic or nylon because they are not heat resistant." Another important factor, according to Elva, is that the trays be easy to clean.

Every dehydrator should have a good guarantee, Elva noted.

Most cabinets are metal, and they should be double walled to keep the heat int. If the cabinet is wood, it should be made of heavy wood so it doesn't warp with use.

Elva concluded, "There are lots of brands, and a lot of catalog advertising. Consumers need to be aware when they read ads of what they do not say." She suggests asking questions and investigating before purchasing.

Drying is a natural way of preserving for Elva who said, "I like to serve wholesome foods. I like basic things as wholesome, pure and fresh as possible." She said her family has cut back on its consumption of sugar and salt, and eats lots of fruit, something which she thinks has helped them have fewer colds and viruses.

She added that changes like that

(Turn to Page B4)

Elva shows her dehydrator which stands on a counter in her kitchen, ready for use at a moment's notice. Elva says the dehydrator helps her preserve food when she has enough frozen or canned.

There seems to be no end to the number of fruits and vegetables which Elva preserves in her dehydrator. Storage of the dried food is simple, with any airtight container suitable for long term storage.

Homestead Notes

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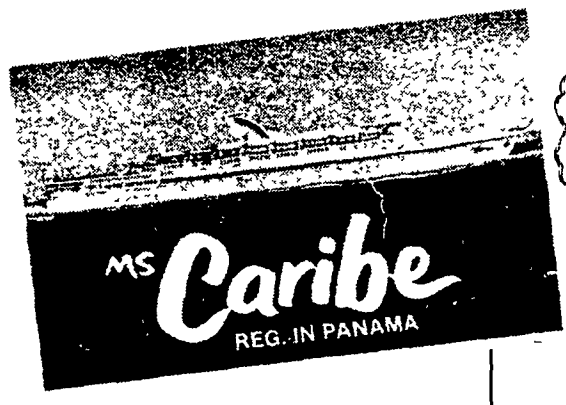

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The cruise and various size bonds will be awarded as instant door prizes at the fairs. Door prize winners will draw to determine their own instant prize of a savings bond or a Caribbean cruise. These winners will also qualify for the grand prize drawing offering a 1984 Buick Century automobile on Nov. 1, 1983. No purchase necessary. No mail-in registration accepted. Offer void where prohibited.

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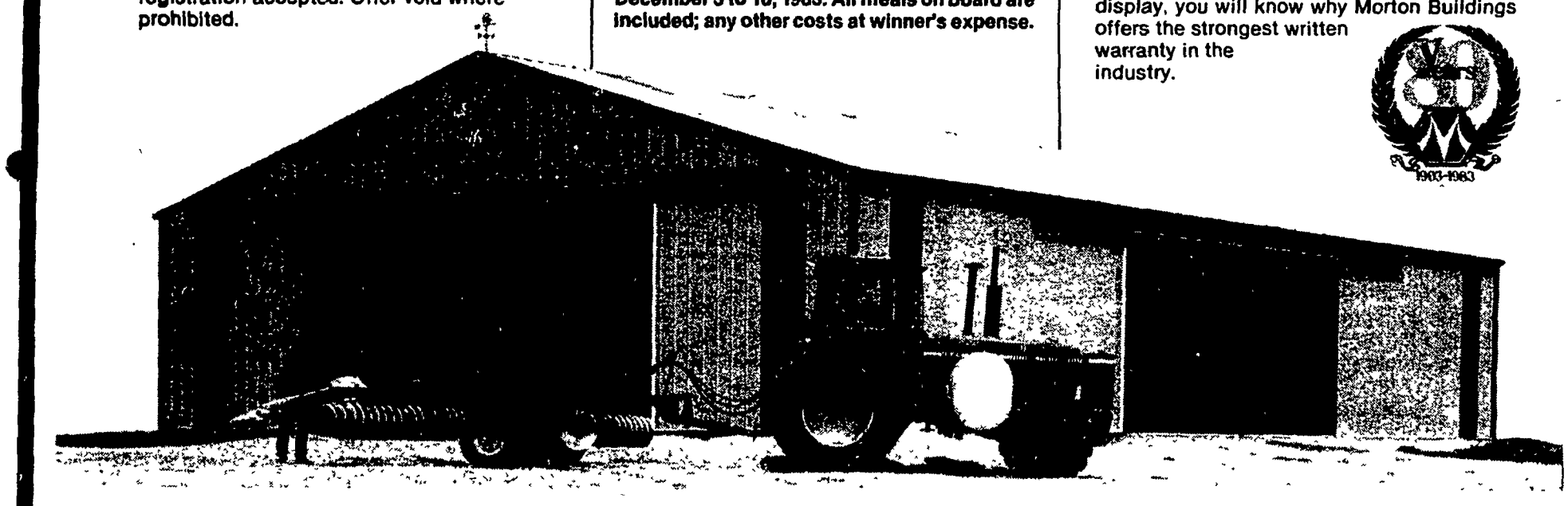

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Save Summer's Bounty

(Continued from Page B2)

should be made gradually. "It's very hard for people to change their ways. The mother might be ready, but the families are not. There is more awareness among young people today."

She explained further, "If you change fast you don't stay changed. If you make gradual changes the family will go with you."

Elva called cooking one of her "hobbies."

"I am interested in nutrition to go with it. When I was cooking for eight I though, 'I might as well make it my hobby."

"I love to try recipes. I make my own substitutions, often using honey for sugar and whole wheat flour for regular flour. You can do that easier than you think," Elva said. You get a feel for it. I mostly make cakes that don't take icing. I make my own bread and my own homemade cereal."

Ela also dries her own teas and medicinal herbs. Asked if she had a large herb garden, Elva replied, "I know where to go to get what I want." One of her favorite drinks is made from peppermint, spearmint and curly mint, with just a few sprigs of lemon mint. She also makes homemade root beer, a real treat for this writer on a hot steamy August day.

The abundance of Lancaster County is a pleasure for Elva. She stated, "We have so much in this area, and all of the best quality. We can easily put on a good meal without a lot of fuss. I feel we are so fortunate."

Elva is not one to sit back and let the world go by. She said, "I like to read, listen and observe. When you mind's open it can absorb so much."

Elva and her husband, Melvin, are very active in the Lancaster Brethren in Christ Church, where she was once organist. She continues to teach piano in her home, something she's done for 21 years and at one time she had 20 students. She now limits the number of students she takes.

Having lived just 13 years at their present location on Charlestown Road, Elva is proud of the conservation measures they have taken to preserve the farmland. The Charles' raise cattle and fatten steers, as well as having a farrow to finish operation. Elva works as secretary and bookkeeper for the farm and for her husband's mineral business.

She said philosophically, "Whatever needs to be done I like to do."

With a large garden and fruit trees, Elva has plenty of material to use in preserving. As long as the garden produces, she will be ready to put the bounty away for enjoyment during the winter.

4-H'ers Sponsor Fair

MEDIA — Delaware County 4-H clubs will sponsor their Summer Fair from 8 a.m. to 6 p.m. Aug. 20 at Rose Tree Park, Rte. 252, Media.

The day will begin with an open horse show, a tailgate sale and a 4-H dairy goat show. Events in the late morning will include a 4-H Rabbit and Cavy (guinea pig) Show, individual project judging in many project areas and club exhibits, showing many of the different types of 4-H work done in Delaware County.

Later in the day, a 4-H Fashion Revue and 4-H Demonstrations will be held. A chicken barbeque will be held from 4:30 to 5:30 p.m. A limited number of tickets will be on sale at the 4-H office before the day of the fair. Refreshments will be on sale throughout the day at the 4-H Center.

All of the 4-H activities will be held in the rear of the park beyond the Hunt Club Building near the 4-H Center.

Also in the park that day, sponsored by the Summer Festival, will be the Delaware County Craft Fair and Old Fiddlers Day. Come out for a full day of fun for the entire family.

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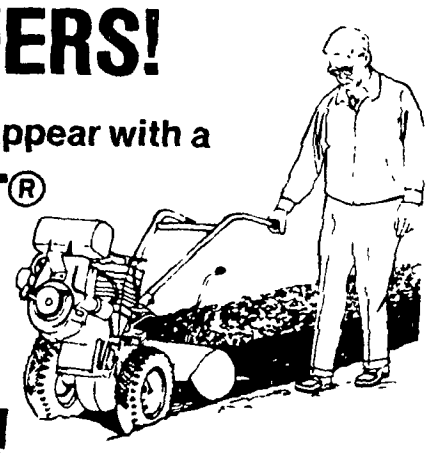

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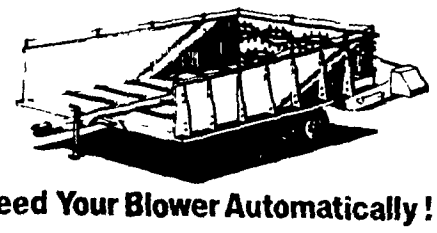

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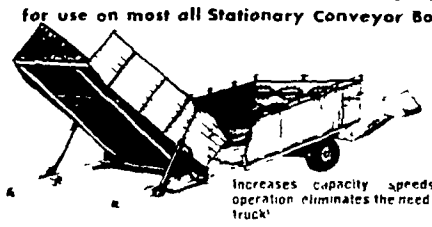

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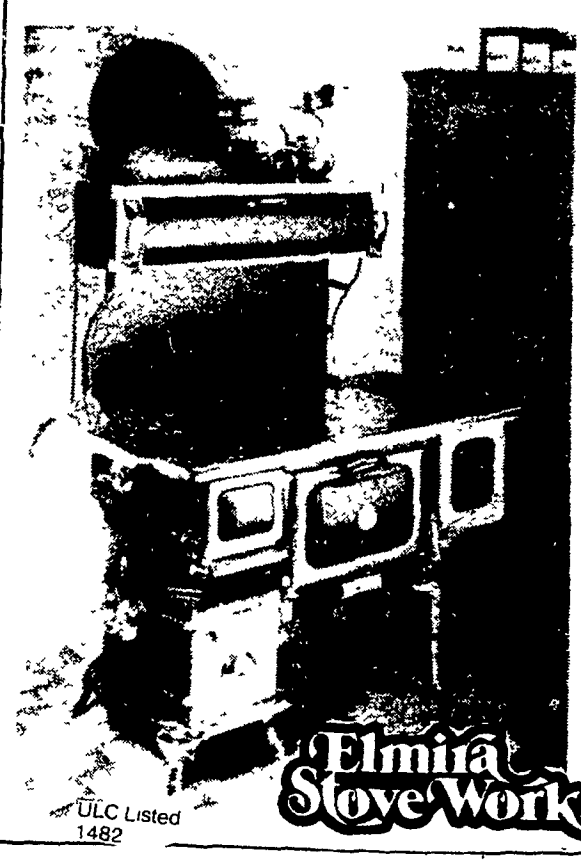

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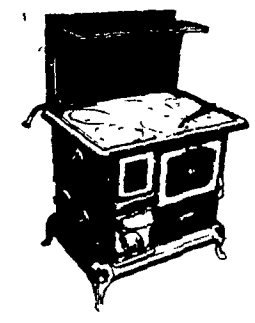

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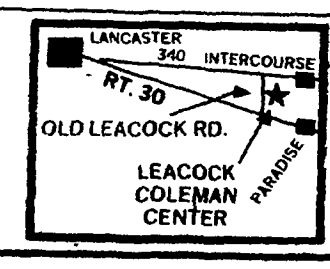

Students Attend PEEC

LANCASTER — Five freshmen students will be representing Saul High School of Agricultural Sciences at the Pocono Environmental Education Center in northeast Pennsylvania. At PEEC, the students will learn the basic principles of forest management and processing of forest products.

The winners were: animal science, Victoria Farry; crop production, Kim Anderson; ornamental horticulture, Warren Frankenberger; ag. mechanics, Daryl Hodges; and the FFA creed, Sean Wilson.

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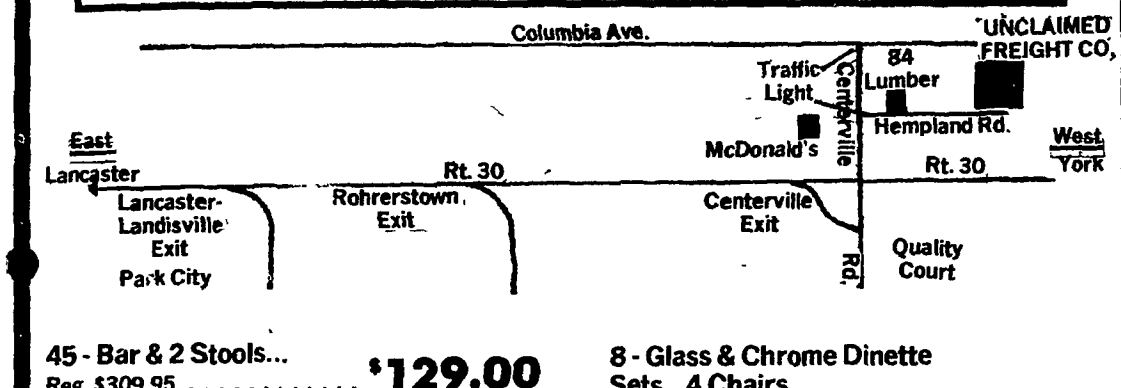

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50 - Brass Bakers Rack... Plant Rack...TV Rack... Reg. $179.95 ..... $35.00

8 - Glass & Chrome Dinette Sets...4 Chairs... Reg. $889.95 ..... $149.95
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Ladies Have You Heard?

By Doris Thomas

Lancaster Extension Home Economist

RANGE CARE DURING CANNING IMPORTANT

Many books and pamphlets tell you how to can foods, but few caution you about possible damage to your range top from prolonged use of canners.

To prevent damage to the surface around heating units, I want to share these recommendations:

Use equipment that fits the surface unit. An oversized canner doesn't allow proper heat dispersal. Concentrated heat over a long canning cycle may cause crazing, discoloration, or both. If you must use canners larger than the heating units, choose a canner that will be least likely to cause damage.

Canners made of bright shiny metals reflect more heat and are more likely to cause damage than nonreflective surfaces, such as blue-black procelain water bath canners. A dull or brushed metal finish on the bottoms of water bath canners or pressure-type canners is more conducive to absorbing the heat than reflecting it.

Don't use canners with irregular bottom surfaces. Rippled or uneven pan bottoms are more apt to trap heat against the range surface.

Never can on glass or ceramic smooth top range surfaces.

Before beginning the canning process, clean the range top. Be sure the work surface next to heating units is free of grease, spills, and detergent residue. The high heats reflected from a canner overhang can bake on dirt that will be very difficult to remove.

Try not to concentrate all the canning time on one burner unit. Canning cycles may range from 20 minutes with a water bath method to 90 minutes with a pressurized canner. Repeating these cycles on a single burner invites the most danger of heat damage to the range finish.

During a lengthy canning session, alternate between the two large surface units. If the range has only one large unit, always allow the surface around it to cool before processing a second batch of food.

Use the minimum heat necessary to maintain the boil or the pressure while canning. Some consumers, particularly those using the water bath method, tend to turn the control too "high" to reach a boil, than leave it there for the entire canning process. This not only adds to the heat problem, it wastes energy.

Finally, don't "shock" the hot range top surface by wiping it with a cold cloth. Wait until the canner has finished processing and the surface has cooled, then use a warm, sudsy cloth to wipe up spills.

REPROCESSING JARS THAT DIDN'T SEAL

Modern metal canning lids may not seal immediately after removal from the canner – it may be several minutes or an hour until you hear the familiar "ping" that indicates a seal.

But what can you do if after several hours you notice that a jar hasn't sealed? Actually, you have three choices.

The easiest and most convenient is to refrigerate that jar and serve the food within a day or two.

Or you could remove the food from the jar and freeze it in a suitable freezer container. Keep in mind that after canned foods are frozen, the texture may not be as good. Label such containers to indicate they've been canned first.

Your third choice is to re-can the food. Remove the lid and check to see that the sealing surface of the jar is free from defects. If it is not defective, readjust the headspace and clean the sealing edge. Then add a new lid and a different screw band. (The first screw band may be bent.) Heat process for the entire time specified in modern directions for that food.

If the jar was defective, put contents in another jar, add a new lid and again, process the full time.

Make sure you label these jars to indicate you've reprocessed them. Foods will be less acceptable in color, texture and flavor.

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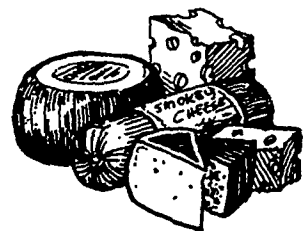
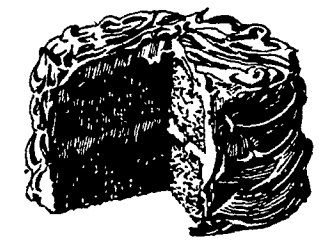


Home On The Range



Catch of the Day is Fish

While enjoying those last few weeks of summer, someone in your family is probably spending some lazy afternoons at a favorite fishing spot.

Take advantage of that catch of the day, as fish is high in protein and can be low in calories.

Whether you like it raw, dipped in dripping butter or smothered with sauces, fish offers a good entree selection.

These fillets are baked in tomato sauce and served with rice for a new twist to an old favorite.

IMPOSSIBLE FISH PIE

1/4 pound fish (cooked and flaked)
1 small can of mushrooms
1/2 small onion
2 tablespoons butter

Saute onion and mushrooms in butter until tender, stir in fish and set aside to cool.

1 1/2 cups milk
3/4 cup Bisquick
3 eggs
1/2 teaspoon seafood seasoning

Put milk, Bisquick, eggs and seasoning in blender and blend for 15 seconds. Pour in greased 9-inch pie pan and let stand for five minutes. Then sprinkle fish mixture on top and top with 1/2 cup of grated cheese. Bake at 400 degrees for 30 minutes.

Audrey Balthaser
Millerstown

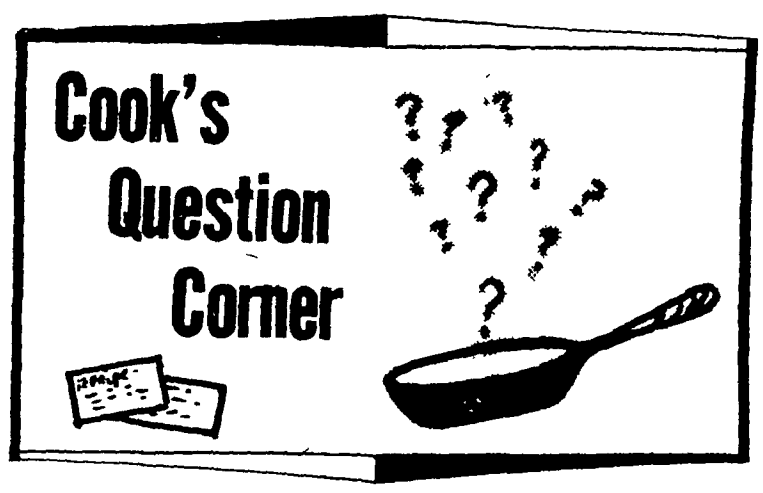
POOR MAN'S LOBSTER

1 pound frozen haddock
1 tablespoon vinegar
1 tablespoon Old Bay seasoning
2 cups water
1 teaspoon salt
1 teaspoon celery salt

Add all ingredients except fish; bring to boil. Add fish and cook 15 to 20 minutes. Remove fish with slotted spoon and serve with melted butter. Or you may put fish under broiler and spread butter over top for 15 minutes after you remove it from the boiling water.

Mrs. Carl S. Bacon
Felton

Cheese and herbs top this Italian-style fish entree. Ways to prepare fish are as unlimited as the varieties available.



QUESTION — I'm looking for a recipe for cooked potato salad dressing. The one I have calls for two eggs, sugar, flour, vinegar, mustard, salt and hot water, but does not have amounts.

Nancy J. McCuller
Taneytown, Md.

QUESTION — Can anyone provide me with a recipe for an icing that bakers use in frosting and decorating cakes?

Mrs. Alex Bastek
Westtown, N.Y.

QUESTION — I have been looking for a recipe for canning pickled cherry peppers, but have had no luck.

Janet Morgan
Kennet Square

Recipe Topics

August	
20	Fish favorites
27	Tempting Tomatoes
September	
3	Back to School with Sandwiches
10	Whet Their Appetites with Apples

BAKED FISH FILLETS IN SWEET-SOUR PINEAPPLE

1 green pepper, cut in strips
1 coursely chopped, medium onion
2 tablespoons salad oil
1 teaspoon powdered ginger
1 tablespoon brown sugar
1 tablespoon cornstarch
1 tablespoon soy sauce
1/4 cup vinegar
1 can (2 1/2 cups) pineapple tidbits, not drained
1 to 1 1/2 pounds thawed quick frozen or fresh fish fillets, or 2 pounds fish steaks, 1-inch thick of cod, haddock, ocean perch, sole, whitefish or halibut.

Saute green pepper and onion in salad oil in skillet for five minutes; add ginger and next five ingredients. Cook, stirring until blended and thickened. Arrange fillets in shallow baking dish; sprinkle with salt and pepper; pour on sauce. Bake at 350 degrees for 30 minutes.

Theresa Wingert
State College

SHRIMP DIP

medium can cut-up shrimp
1/2 pounds cream cheese
1 tablespoon milk
1 teaspoon Worcestershire sauce
3 teaspoons chili sauce
small grated onion

Mix cream cheese, milk, Worcestershire sauce and chili sauce until smooth. Wash shrimp, drain, add along with onion. Let stand.

Mrs. Charles J. Biehl
Mertztown

CHRIS' 20-INCH TROUT

1 large trout

Clean thoroughly. Cut off head and freeze. Then, lightly salt inside and outside and wrap in wax paper. Refrigerate for one hour. Place in baking pan. Bake at 400 degrees for 15 minutes, then at 350 degrees for 45 minutes until the meat flakes.

Phyllis M. Ridge
Roaring Branch

FISH WITH MUSTARD SAUCE

6 large flounder or sole fillets
salt and pepper
6 tablespoons melted butter
1/4 cup Dijon mustard
1/2 cup heavy cream
1/2 cup sour cream
3 tablespoons finely chopped cornichons (midget French gherkins)

Sprinkle fish with salt and pepper on both sides. Brush half the butter on shallow broiler pan. Brush remaining butter on fish. Place fish fillets side by side on pan and broil until fish flakes. Drain juices from pan. Combine remaining ingredients in small bowl and stir until well blended. Spread thick layer of mixture over top of fish. Place under broiler and broil until lightly browned. Serve at once with artichoke bottoms that have been quartered and sauteed in butter and herbs.

(Turn to Page B8)

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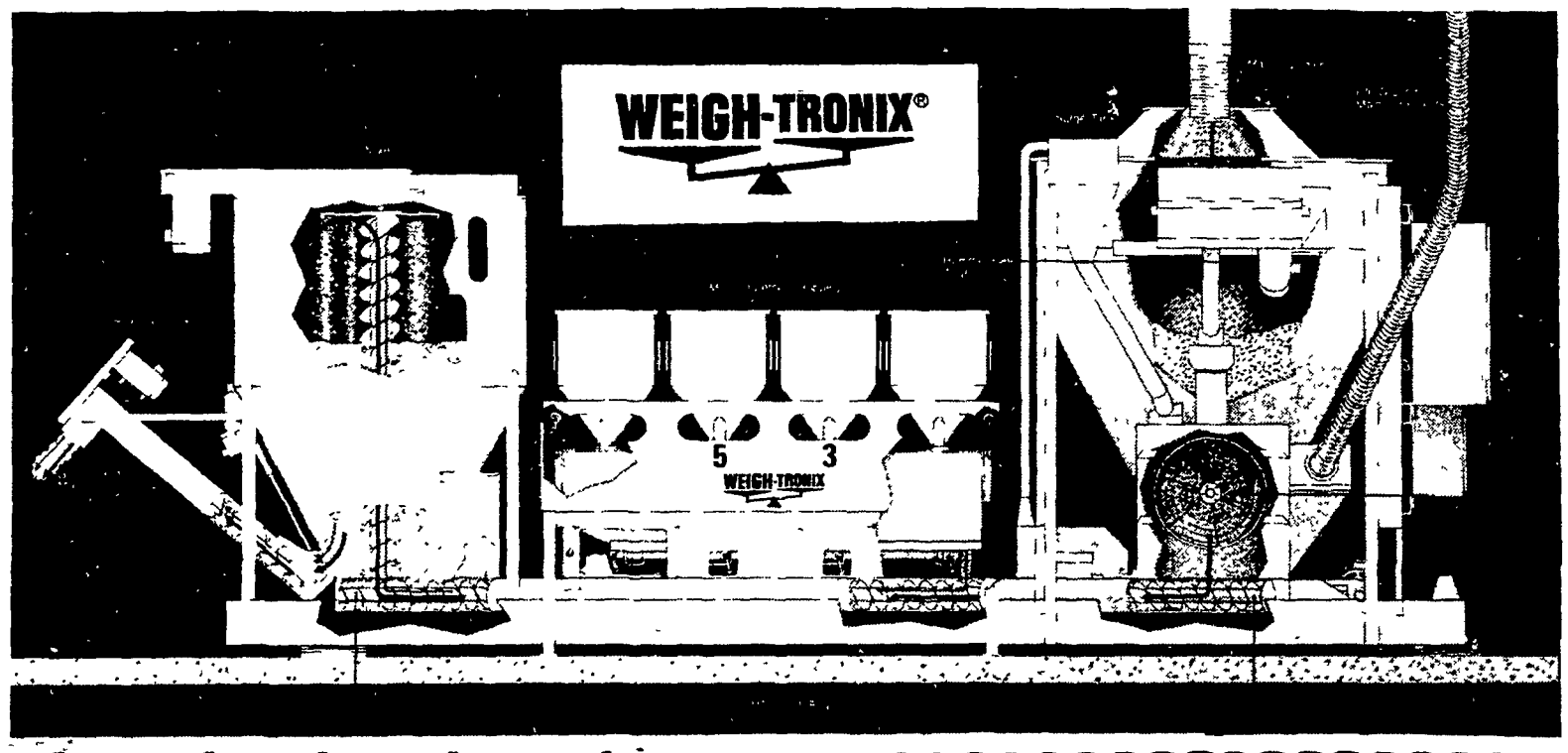

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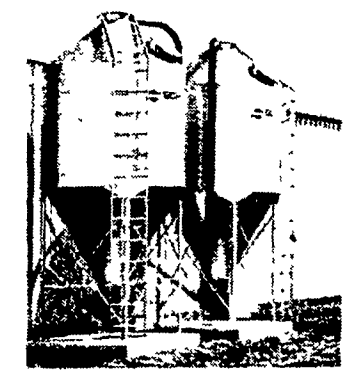

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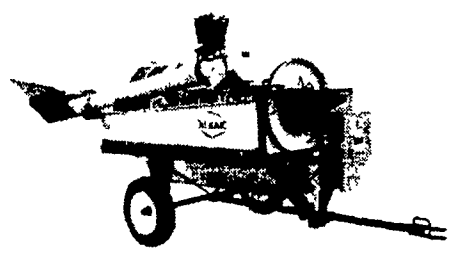

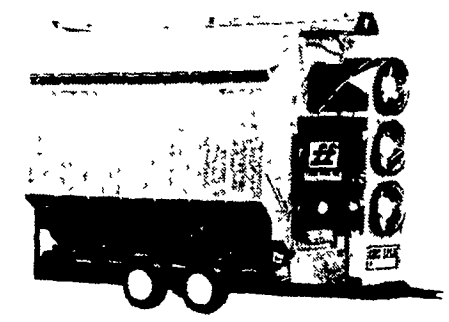

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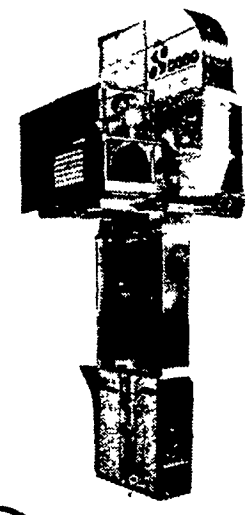

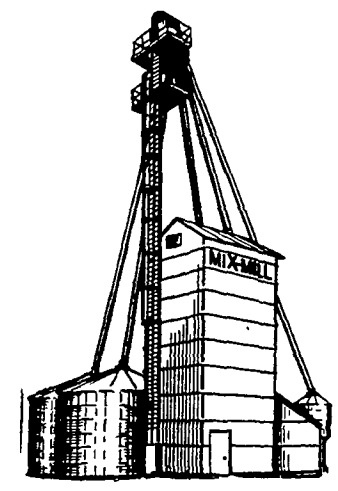

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Ida's Notebook

Ida Risser

On a recent Sunday afternoon, Judy drove from Palmyra to go with me to the State Craft Fair at Franklin and Marshall College in Lancaster. We had gone there over years, but felt there would be something new to see.

Over 200 different exhibitors showed their arts and crafts. Some were located in a large tent, while others were in a building. No matter which place you visited – it was hot. Large fans moved the air at the end of the aisles and helped a little.

The list of crafts displayed for sale was almost endless as there were many pottery, jewelry and weaving exhibits. Others included stained glass, fraktur, quilting, craving, leather, candles, tin, macrame, toys and white oak basketry.

When Allen and I attended the Kutztown Festival this summer, we enjoyed the outdoor spread of craftsmen creating their works. They worked with wood, tin, iron, wool and many other materials. We each made one purchase, and they were quite different. He bought five pounds of honey, and I bought a replica of a punched tin lantern as it is a fine specimen of craftsmanship, and I've always wanted one. The reflections which it casts on the wall are very attractive.

One now sees old pieces of lace and hand crocheted doilies used as wall hangings and also framed. At one time these were sold by the pile for 25 or 50 cents. Now they are often sold for five or 10 dollars a piece. I'll simply have to take the time and look through some of my drawers and check on what I brought thirty years ago for pennies. Who knows, maybe I'll find something that is useful and pretty.

Activities Planned for Ag Progress Days

STATE COLLEGE — Are you interested in trying your hand at wool crafts and wool spinning? Or perhaps you're curious about how "Little Bo Peep" shepherds her three lambs? Don't be "sheepish." Come and take more than just a peep at these and many other ongoing activities in the 4-H tent during Penn State's annual Ag Progress Days.

The event will be held August 23-25 at the College of Agriculture's Rock Springs Experiment Station.

In addition to these activities, the tent will feature exciting demonstrations, exhibits and games showing how 4-H can help youth grow into leaders of our community and society. Currently, 4-H reaches 145,000 youths ages 8-through 19 in Pennsylvania.

Tuesday features a 4-H rocket display. Wednesday two Lipizzan mares, used in Penn State's Riding For the Handicapped program, will be demonstrating their suitability as mounts for the handicapped. Also on Wednesday, the Centre County 4-H Model Airplane Club starts the engines of their gasoline model airplanes. Thursday brings the Pennsylvania State 4-H Tractor Driving Contest.

Catch of the Day

(Continued from Page B6)

CASHEW STUFFED SHRIMP

12 jumbo shrimp
22 soda crackers, unsalted tops, finely rolled (about 3/4 cup crumbs)
1/2 cup dry roasted, unsalted cashews, coarsely chopped
1/4 cup grated Parmesan cheese
3 tablespoons margarine, melted
2 tablespoons dry sherry
1/2 teaspoon paprika
1/4 cup water
lemon sauce (recipe follows)

Shell shrimp, leaving tail attached; wash thoroughly and drain. Butterfly shrimp by splitting almost completely through center. Lay, cut side up, in large shallow baking dish. Mix together cracker crumbs, cashews, cheese, margarine and sherry. Mound one tablespoon mixture on top of each shrimp. Pour water into bottom of dish. Bake at 350 degrees for 20 minutes, or until shrimp are tender. Transfer shrimp to platter and drizzle with lemon sauce.

LEMON SAUCE

In a saucepan combine 1/4 cup margarine, juice from one lemon, 1 1/2 teaspoons white vinegar and 1/4 teaspoon Worcestershire sauce. Heat until margarine melts. Stir with a wire whisk until blended.

BROILED FILLETS

4 tablespoons butter
2 tablespoons lemon juice
1/2 teaspoon salt
1/2 teaspoon pepper

Melt butter, mix in lemon juice, salt and pepper. Brush on fish to boil. Sprinkle with parsley flakes or paprika.

Trish Williams
Lititz

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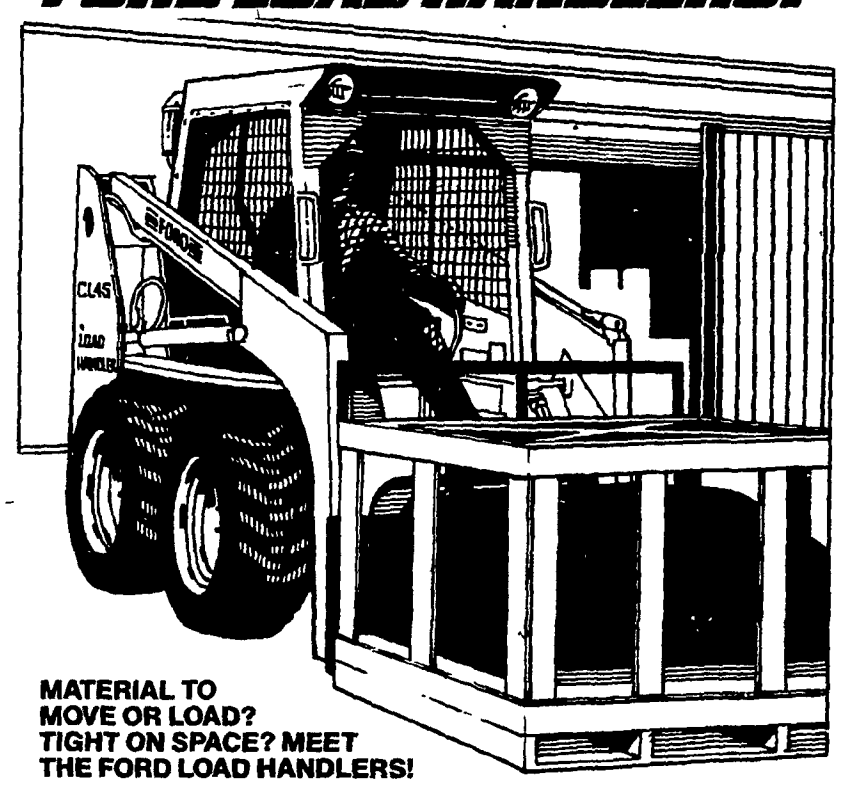

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Kid's Korner

Toothbrushes Grow on Trees

WASHINGTON — Imagine waking up in the morning, washing your face, and then putting a stick or straw-like sponge in your month instead of a toothbrush.

Aside from the somewhat bitter taste and the necessity to spit out splinters of wood, it can be a surprisingly good way to clean teeth.

Before toothbrushes and toothpaste, there were chewing sticks and chewing sponges. And, today, in most of rural Africa, much of Asia, and some areas of the Americas, people still rely on "nature's toothbrush" for cleaner, whiter teeth. More than a quarter of the world reaches for a chewing stick instead of a toothbrush.

They Grow on Trees

"They break off a pencil-size twig from a bush or tree, peel back the bark, and fray the end by gnawing by pounding it before vigorously moving it up and down their teeth," explained Dr. Memory Elvin-Lewis of Washington University's School of Dental Medicine, St. Louis.

"They've very, very fastidious about it and usually spend 15 or 20 minutes at it. In an African village, if you get up early, at 5 or 6 a.m., you see everybody out with their chewing sticks."

Some African tribes have gone one step further. "They've taken the vines of acacia trees, for example, stripped off the bark, pounded them with water and soaked them to make sponges," she said. "Then they chew a piece of this fibrous material. It's very foamy."

Chewing sticks or sponges are actually toothbrush and toothpaste in one. They're inexpensive and disposable after each use. And some kinds are definitely preferred over others.

Through trial and error over centuries, a few favorites have emerged from the roughly 200 known species used for chewing sticks. Often most popular are those that do the best job and wind up in the markets. But there are other preferences, too. Women like the softer, sweeter chewing sticks; men, the harder, more bitter tasting ones.

Nso kodua and tweapea are the sticks of choice in Ghana, where Dr. Elvin-Lewis did most of her research. With support from the National Geographic Society, she and her botanist husband, Dr. Walter H. Lewis, also of Washington University, are trying to determine whether chewing sticks contain substances that prevent cavities and even gum disease.

Better Than Toothpaste?

The low tooth decay rate among Africans has generally been attributed to diet.

"Partially it's diet, but that's not the whole thing. When you start looking at it, the retention of teeth into adulthood among the populations that use some of these sticks is very high. So we're saying that they're possibly a good thing too," Dr. Elvin-Lewis said.

One Ghanaian woman, educated as a dietitian, told her, "When I'm in a hurry, I use toothpaste and a toothbrush. When I really want to clean my teeth, I use a chewing stick."

The widespread use of chewing sticks in some parts of Africa, Asia, and the Middle East has its roots in Islam. The Prophet Mohammed was said to have urged his followers to clean their teeth before prayer as a means of praising Allah and to use the "siwak" for the cleansing.

The Moslems never adopted the toothbrush invented by the Chinese because its bristles were pig hairs, a taboo animal. With the development of synthetic bristles, many modern Moslems have switched to toothbrushes. But ritualistic chewing stick use is still carried on in the mosques of Mandalay, Burma' fresh sticks are distributed before the services for use five times a day at prayers.

In India, chewing sticks from the popular neem tree are not just to clean teeth, but the tongue too. After the teeth cleaning, the stick is split in two, broken again in the middle to form a hinged V, and then stroked across the tongue. Extracts of neem are made into a chewing stick toothpaste. It's green and a little bitter, but Dr. Elvin-Lewis wouldn't use anything

(Turn to Page B12)

We're having a contest! The cool, fall weather will be here soon and to celebrate its coming we want you to make as many words as you can from the words "fall weather." Send a list of the words you created to Kids Korner and be eligible for a back-to-school prize. Don't forget to include your name, age and address. All entries must be received by Sept. 6. Mail them to Kids Korner, Lancaster Farming, P.O. Box 366, Lititz, Pa. 17543.

Photo by Trish Williams

Almost as big as her owner, "Bunny-Girl" gets a bunny hug from Jennifer Stoltzfus, Ronks. Anyone else have pictures of children and their pets? If so, send them to us at P.O. Box 366, Lititz, Pa. 17543.

COLOR THIS!

1.	BLACK	6.	ORANGE
2.	LT. GREY	7.	GREEN
3.	YELLOW	8.	LT. BROWN
4.	DK. GREY	9.	LT. BLUE
5.	BROWN	10.	LT. GREEN

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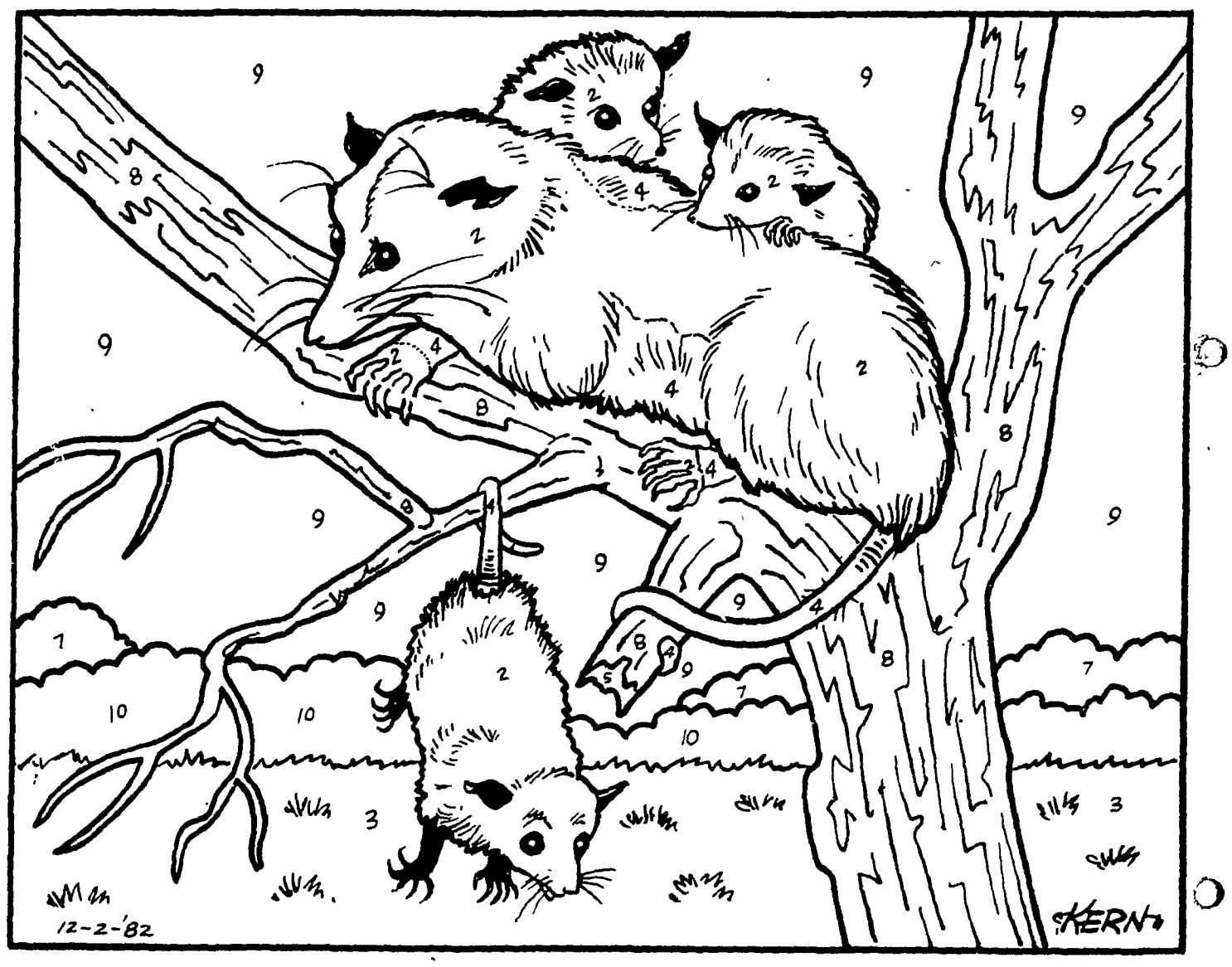

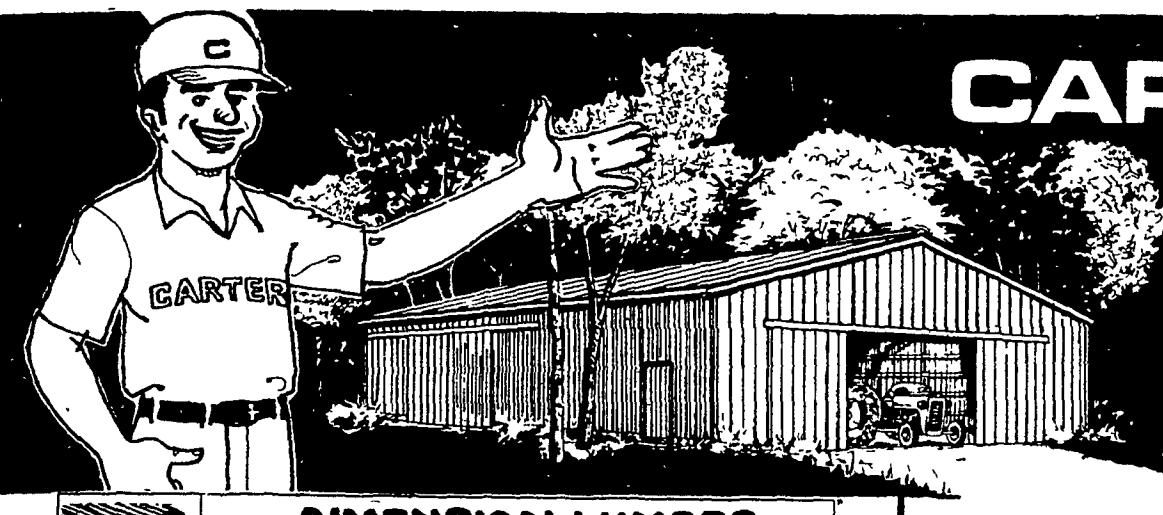

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2"x6"	3.29	4.29	5.29	6.49	7.29
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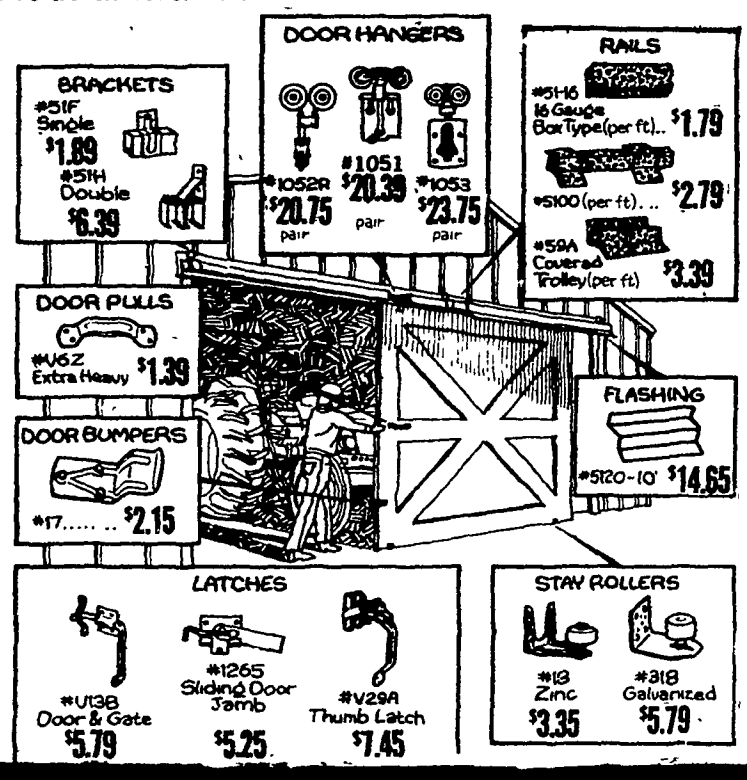

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8'	8.04	10.38	12.02	5.55	9.19	8.75
9'	9.04	—	—	6.24	—	9.85
10'	10.05	12.98	15.02	6.93	11.48	10.93
11'	11.05	—	—	—	—	12.02
12'	12.06	15.58	18.02	8.32	13.78	13.12
14'	14.07	18.17	21.02	9.70	16.07	15.30
16'	16.16	20.77	24.03	—	18.37	17.44
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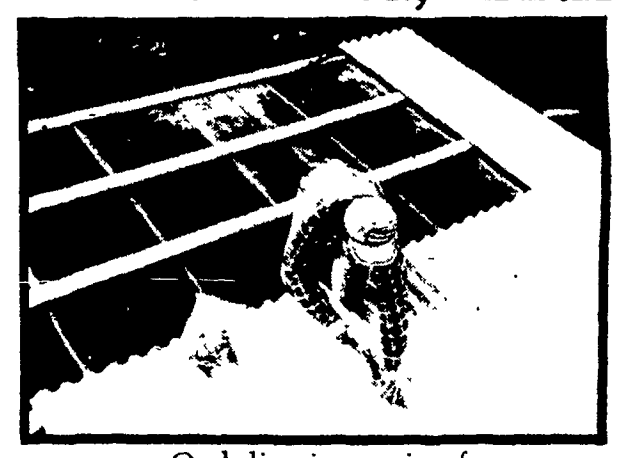

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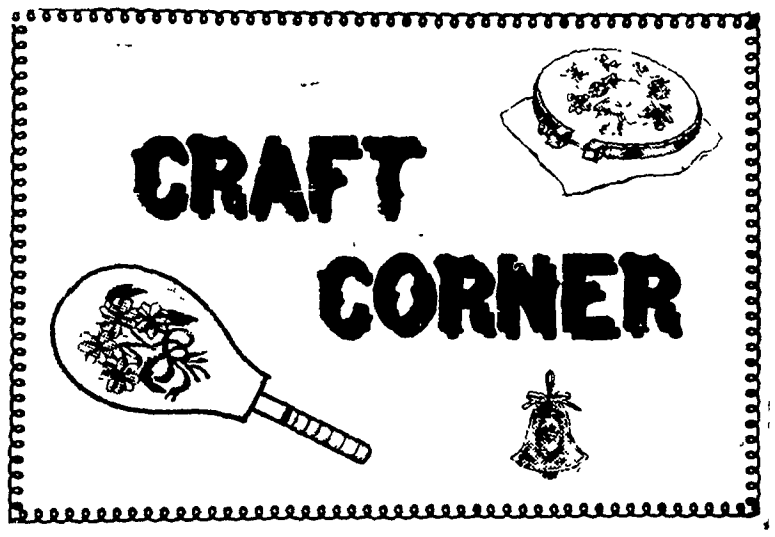


Candlewicking in color

If you ever get tired of white-on-white candlewicking, why not work with lustrous, colorful ribbons? Nowadays with ribbons as skinny as one-sixteenth of an inch, it's easy to stitch them into candlewicking knots.

Candlewicking, if you haven't heard the term yet, is an old Colonial craft that has become popular again today. In classic candlewicking, the crafter stitches knots onto plain, unbleached muslin and then washes the muslin in very hot water. When the knots and muslin shrink, the design takes on a soft, delicate look.

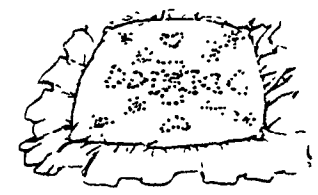
In ribbon candlewicking, however, you sew knots onto pre-shrunk muslin. As a result, when the last knot is in place, you can turn your muslin immediately into pillows, place mats, bedspreads, table runners, or other projects.

Here are directions for ribbon candlewicking:

MATERIALS: Pre-shrunk cotton muslin, embroidery hoop, large-eye embroidery needle, chalk pencil, pencil and paper, scissors, sewing supplies.

Ribbons: Purchase 1/16-inch width ribbons from a fabric or craft shop. Suggested are Offray brand, double-faced satin ribbons. One yard of ribbons makes about 40 knots.

PREPARATION: 1. If it is not already pre-shrunk, wash muslin, let dry and press. 2. Draw or trace a simple design on paper. 3, Lay muslin over paper. Using your chalk pencil, trace design on muslin, drawing dots instead of



lines. Space dots about ¼ inch apart.

STITCHING: 1. Position muslin in embroidery hoop. 2. Cover each dot with a french knot as follows: (a) Bring needle through fabric. Wind ribbon around needle. (b) Return needle close to same hole, pulling ribbon gently to keep it wrapped snugly around needle. (c) To form knot, hold ribbon until it is almost through fabric.

FINISHING: For variety, stitch straight lines with outline stitch, couching stick or other embroidery stitches. 2. Use finished muslin for pillow top, quilt block, or other items as desired.

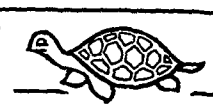
Annual FFA picnic held

LEBANON — The Cedar Crest FFA recently held its chapter picnic at the Cyrus Bomberger Farm. The fun included swimming and boating as well as volleyball.

While at the picnic, members had the opportunity to exchange ideas and discuss upcoming FFA activities. Refreshments included hog dogs, pretzels, chips and lemonade. The food was prepared by the Bombergers and Harold Berkheiser, Chapter Advisor. The picnic was concluded with a tour of the farm lead by our school member Bob Bomberger.

Other chapter members participating included Jenny Embich, Dwayne Gish, Dan and Dave Groff, Gale Hitz, Lisa Houser, Richard Houser, Gary Krall, Ann Lansberry, Brenda Miller, Heidi and Brenda Peiffer, Mike Yednak, Ed, Jeff, Dale and Lorinda Zuck, and Scott Schwear.

DON'T BE SLOW



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Grow on Trees

(Continued from Page B10)

else on her teeth. She sends to India for it.

Marco Polo Set Pace

Most of the world started to turn to toothbrushes after Marco Polo brought them back from China. Toothbrushes crossed the Atlantic with the colonists, but many American settlers adopted the chewing stick method used by the Indians.

Chewing sticks still clean teeth in some isolated areas of the Americas, even in the United States. Sassafras sticks are popular in western Kentucky and Tennessee, black gum in the mountains of North Carolina and sweet gum among some farmers in other parts of the South.

For some people chewing sticks mean more than clean teeth. A Yoruba tribesman in Nigeria presents one to a widow as a sign of his honorable intentions and love.

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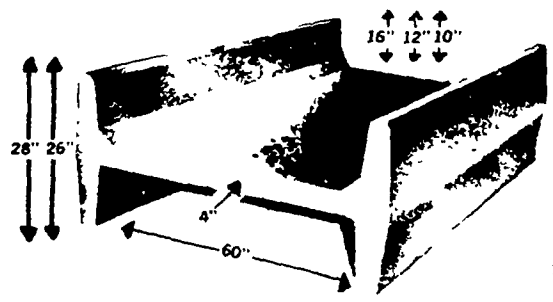

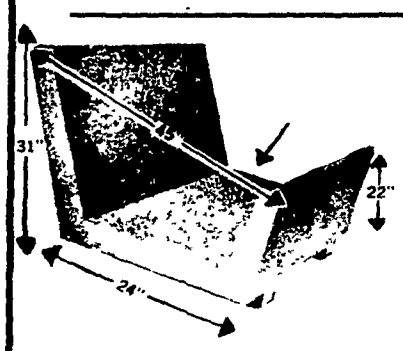

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550	4'0"	6'0"	7	751	274.00
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1,000	4'0"	10'8"	7	1,129	406.00
1,000	5'4"	6'0"	7	1,028	378.00
1,500	5'4"	9'0"	7	1,388	509.00
2,000	5'4"	12'0"	7	1,735	620.00
3,000	5'4"	17'11"	7	2,432	837.00
4,000	5'4"	23'10"	7	3,130	1055.00
5,000	8'0"	13'7"	1/4"	4,484	1821.00
6,000	8'0"	16'0"	1/4"	5,588	1926.00
8,000	8'0"	21'4"	1/4"	6,981	2414.00
10,000	8'0"	26'8"	1/4"	8,375	2847.00
10,000	10'0"	17'0"	1/4"	7,829	2610.00
12,000	8'0"	32'0"	1/4"	9,768	3310.00
12,000	10'0"	20'6"	1/4"	8,946	2969.00
12,000	10'6"	18'7"	1/4"	7,900	2978.00
15,000	8'0"	40'0"	5/16"	14,823	5003.00
15,000	10'6"	23'2"	5/16"	11,857	4575.00
20,000	10'6"	31'0"	5/16"	15,105	5716.00
25,000	10'6"	38'9"	3/8"	23,883	7600.00
30,000	10'6"	46'6"	3/8"	27,923	8800.00

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(no ends) FOR BRIDGES, CULVERTS, ETC.

Previous Capacity	Diameter	Length	Gauge (Thickness)	Weight (Pounds)	Price FOB Quarryville
2,000	5'4"	12'0"	7	1,615	*100 to 200
3,000	5'4"	17'11"	7	2,312	200 to 300
4,000	5'4"	23'10"	7	3,010	300 to 400

Used tank shells have the ends removed.

NEW GASBOY FUEL PUMPS

Model	Description	G.P.M.	Price F.O.B. Quarryville
1230C	Complete w/counter, rotary hand type	20	*119.00
60	12V DC w/meter	12	359.00
61	Same as Model 60, w/o meter	12	269.00
72	115V w/meter	14-15	356.00
73	115V, same as Model 72 w/o meter	14-15	275.00
1820	115V w/meter, w/cabinet	14-15	396.00
1820K	115V, same as Model 1820 w/2 units, Keytrol	14-15	491.00

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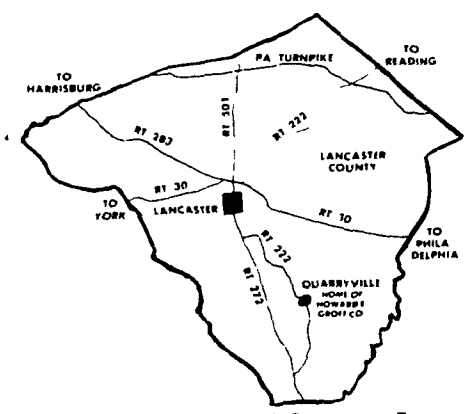

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Hunterdon Co. Holds Dairy Show

FLEMINGTON, N.J. — Twenty-one 4-H members exhibited 46 animals in the Hunterdon County 4-H Dairy Show earlier this month at the Flemington Fairgrounds. Thomas Smith, Allentown, N.J. and Linda Hamming, Sussex, judged the event.

Tom Hoffman, Califon, was the big winner after the competition was complete. Tom exhibited a number of his Brown Swiss herd in the show. Among the honors he received were: Junior, Senior and Grand Champion in the Brown Swiss Class; Best Uddered animal in the Colored Breeds and overall and 1st place in the Bred By Exhibitor Division and Experienced Showmanship and Fitting in the Colored Breeds. Finally, Hoffman received an award for second place in the Dam and Daughter Class.

Janet Rogers, Ringoes, also walked away with numerous honors. Janet earned Senior and Grand Champion awards in the Holstein class, Best Uddered Holstein animal, second in the Best Uddered overall, and second in the Bred by Exhibitor class. She earned two first place awards: one in the Dam and Daughter class and in the Experienced Holstein Showmanship & Fitting Division.

Hope Atkinson, Hampton, was cited for having the Junior Champion Holstein Female and earned third place in the Bred by Exhibitor class. An Asbury 4-H'er, Tracy Beatty has the second best uddered Holstein, was second in the Intermediate Holstein Fitting and Showmanship section and overall in the Fitting and Showmanship part of the show.

Gretchen Kuehn, Raritan Township, was second in the Experience Fitting and Showmanship Holstein class and overall. Her sister, Susan, received first in the Intermediate Fitting and Showmanship, both in Holsteins and overall.

Senior and Grand Champion honors in the Guernsey class went to Lisa Hoffman, Califon. She was also honored as the second place winner in the Experienced Colored Breeds in Fitting and Showmanship.

Paul Hunt, Lambertville, had the Senior Champion Ayrshire in the show. He also placed first in the Intermediate Fitting and Showmanship Colored Breeds class. Becky Alpaugh owned the Grand Champion Ayrshire. The second place recipient in the Intermediate Fitting and Showmanship in the Colored Breeds was David Hunt, Lambertville.

Another Lambertville resident, Tom Holcombe, received first place in the Holsteins Beginner Fitting and Showmanship and second place—overall in the fitting and showmanship category. Andy Nelson, Pittstown, was the second place winner in the Holstein Beginner Fitting and Showmanship.

The Fair Valley Community 4-H Club was recognized as having the best club dairy herd in the show. Mt. Airy placed second.

Fashion Revue

NORRISTOWN — Karen Bradshaw, North Wales; Cindy Van Arsdale, Hatfield; and Jody Carney, Lansdale; participated in the State 4-H Fashion Revue Aug. 9 at the University Park Campus of Penn State University during State 4-H Achievement Days.

These Montgomery County winners from the Regional 4-H Fashion Revue held recently at Plymouth Meeting Mall, competed with 50 other 4-H'ers for the top state award, an expense-paid trip to the National 4-H Congress held in Chicago, November 26-December 3.

JACKSON — STOLTZFUS

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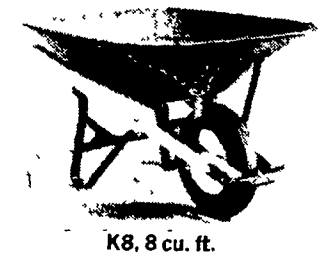
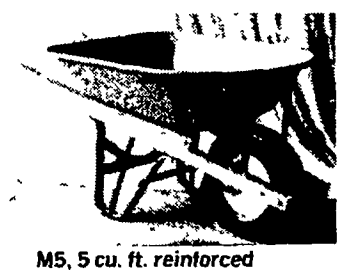


K8, 8 cu. ft.



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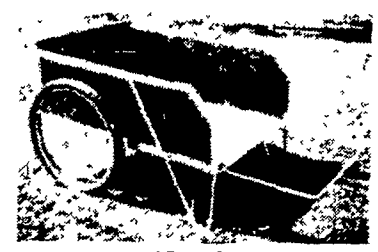

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A well-trained Starrfire gracefully takes a bow after her performance.

Horse Lover Turns Hobby into Profit

BY KIMBERLY HERR

MANHEIM — Take something you simply love to do and turn it into a money-making career.

Sound too good to be true?

For Jennifer Lowry, Manheim, it is a reality.

At age 21, Jennifer recently sold her Arabian filly for $150,000. She and her parents, Sandy and Dr. R. Tempest, had invested $1,500 for the filly's mother and $2,500 to have the mare bred. The investment paid off at the Summer Spectacular show and sale, which took place at Lasma East, Louisville, Ky., one of the largest Arabian ranches in the country.

Sound like an easy profit?

There is much more involved.

"It's not an overnight success," Jennifer's mother explained.

Jennifer's parents said they knew she was a horse lover when she started collecting horse figurines as a child and was unconcerned when she was bitten in the chest by a horse when she was young.

"I used to ride our German Shepherd," Jennifer laughed.

Jennifer got her first horse in 1974. How did her interest in horses develop?

"I don't think it ever developed," Jennifer chuckled. "I think it was always there. I don't remember ever being afraid of them."

Her passion for horses takes up much of her time.

"I take 12 months to decide who to breed each mare to," Jennifer said.

When she chose the stallion to breed her mare to, she trusted her instincts and came up with a winner.

"It was a long shot because the stallion had not been bred before," Jennifer explained.

Jennifer's father commented on Jennifer's choice.

"We found a nick," he said, explaining that a nick means the genes of both animals have clicked.

Jennifer explained that breeders try to develop a match that will produce a horse similar to what the ideal Arabian horse should look like.

"We came awfully close on our first time," she said. "She had the most beautiful head and one of the most perfect bodies."

Dr. La Croix, owner of Lasma East, told Jennifer her filly was "one of the best" he had seen.

Named Galizja Rohan and nicknamed Zja Zja, this horse was rated by some people at the show as being worth about $400,000. The mare that foaled the filly is now worth about $600,000, one and a half times the price of the filly.

Using this mare, Jennifer pointed out the features of an Arabian horse: "a beautiful face, the width between the eyes and the shortness of the head."

"They are functional, not only pretty," Jennifer added, explaining they were bred for endurance when galloping in the desert. "They were also bred to be companions," Jennifer said of the first Arabian horses.

Watching Jennifer with her horses - she has 10 - the idea of companionship is still apparent. The horses not only obey her commands, but seem to want to please her.

An Arabian gelding, Windsong, is testimony to Jennifer's patience and skill in training horses. When she first got him, he was too wild to even be led around the pasture. Today, he is not only able to be ridden, but he is trained in the art of dressage, which involves giving the horse directions that are so subtle that they cannot be observed by someone watching the horse and rider.

"I just had the biggest battles with him," Jennifer remembered.

Jennifer's skill in training horses comes from many hours of

(Turn to Page B16)

Windsong, once an unbroken stallion, is now a well-trained gelding. Jennifer has taught him the art of dressage. His arched neck and tail are true signs of an Arabian.

This is a colt, born to one of Jennifer's Arabian mares. She used it to illustrate how, through the proper breeding, the offspring will not have the same flaws that are characteristic of the parents.

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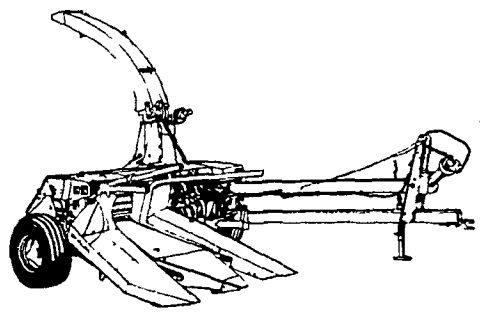

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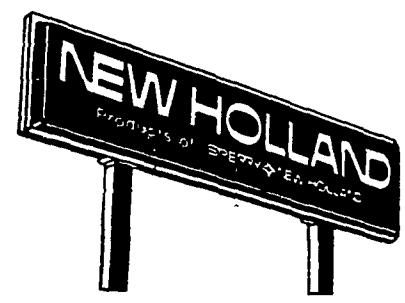

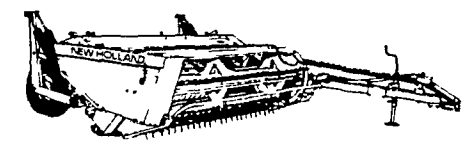

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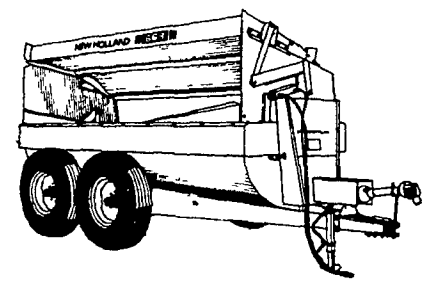

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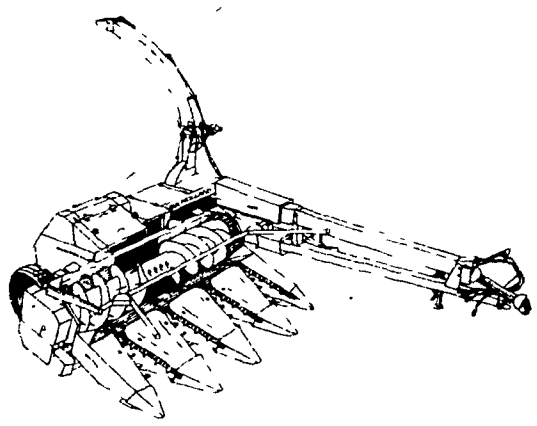

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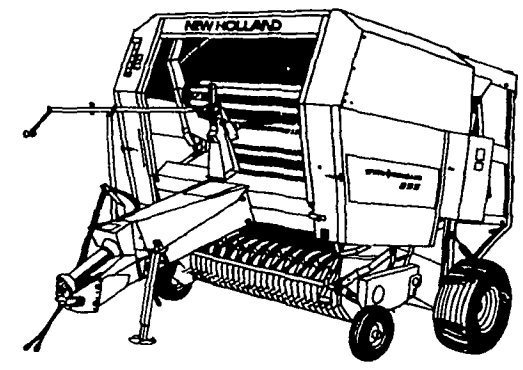

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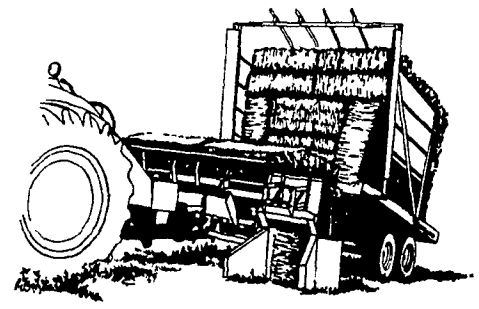

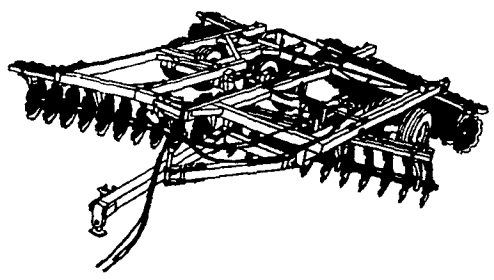

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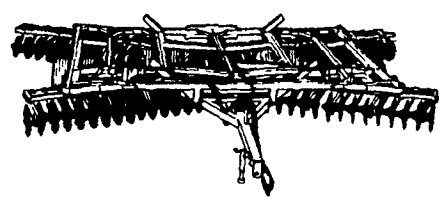

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Horse Lover

(Continued from Page B14)

reading, attending seminars and special training lessons. Her ability to breed the right horses also comes from extensive studying and a good eye. A picture of what is supposed to be the perfect Arabian horse, which serves as a standard for breeders, hangs in her kitchen.

From her studying, she has been able to look at stallions and predict that they will be national champions. By doing this she can save money, since stallions that have proven themselves in the ring have higher stud fees than those who have not. If she can get to those stallions just before they become winners, she can breed her mares for less than those who want their mares bred after the stallion is a winner.

"I've had good luck with that," Jennifer said of her ability to know a good horse when she sees it.

Jennifer's parents are happy with the returns on their investment and are proud of their daughter.

"We've just trusted her all they way," Dr. Lowry remarked.

Jennifer's mother elaborated on their belief in their daughter, explaining that when they moved to Lancaster County three years ago, they had no farming experience.

"We had never farmed, but Jennifer had told us what she could do," Mrs. Lowry said.

Her parents comment now and then about the amount of time Jenifer spends reading about horses.

"They bug me more about that," Jennifer said, good naturedly. But all the studying has paid off.

"People are going to stand up and listen to us," Jennifer said, explaining that she believes this to be true of her skill to breed the proper horses, but feels she still needs work before she is an expert trainer. She will not, however, take all the credit for her success, even in breeding.

"I really do believe that God has been watching over us," Jennifer said.

Ten percent of the money she earned from the sale will be given to the church and the work of God. The remainder will be used to enlarge a training ring at the Lowry farm and, of course, to continue their line of horses. Jennifer has her eye on a mare in South Carolina.

"She should really round out our breeding program," Jennifer explained.

Her father has been caught up in Jennifer's interest.

"Arabian breeding is an art," he said.

Jennifer elaborated on her father's statement, "We want the pretty horse that can do it all."

The Arabian horses being bred today have many distinguished ancestors with many tales and legends attached to them.

"They have such a romantic history," Jennifer said.

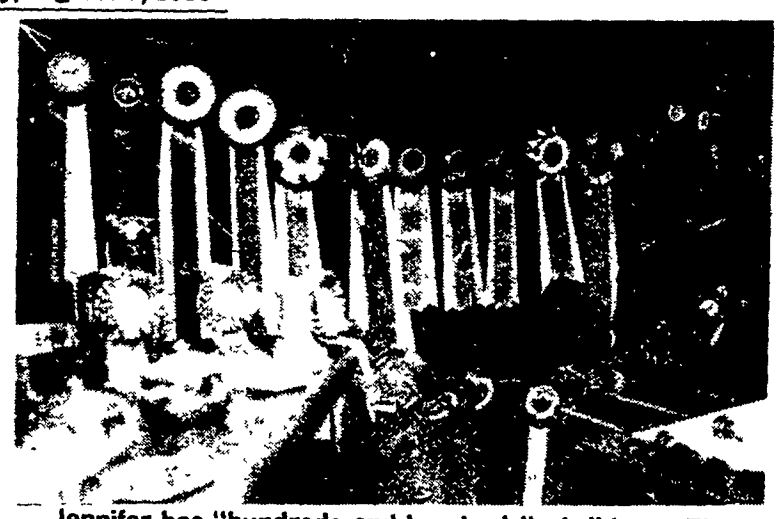
She explained that Arabian horses are mentioned in the Bible and that all the kings and queens of ancient Europe wanted desperately to own Arabians.

Any legend, tale or trivia about Arabians is probably known by Jennifer, who bubbles over with enthusiasm for the breed.

Jennifer plans to use that knowledge to continue her profitable interest.

"I'm pretty sure that we can breed some more national champions," Jennifer said.

But Jennifer's interest does not stop with breeding. Someday, instead of reading about her, you may be watching her on television, as her future goal is to go to the olympics to enter the dressage competition.



Jennifer has "hundreds and hundreds" of ribbons. These first and second place awards are displayed in the family room.

Starrfire, an Arabian mare, shows off for her audience.

Jennifer Lowry owns Arabian horses and this Pasa Fina stallion, who has been a winner in the ring many times. Pasa Fina's are known for their smooth gait.

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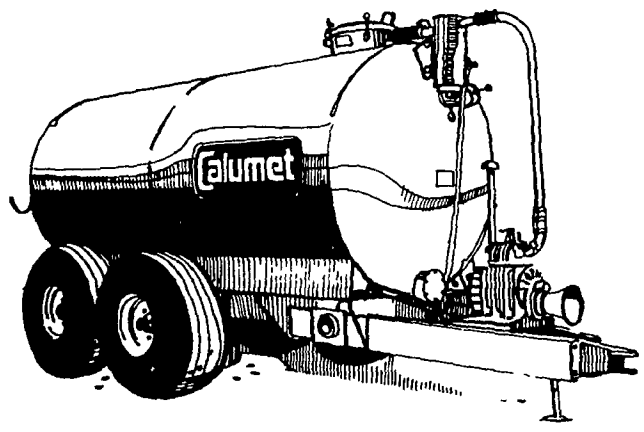

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Fairbairn Recognized by Penn State

WEST CHESTER — Cheryl Fairbairn has initiated and organized many 4-H programs in Chester County. For her many accomplishments as assistant extension agent Ms. Fairbairn has been recognized by Penn State University's Cooperative Extension Service.

Dr. Wayne Hinish, associate dean for Extension at Penn State, made the announcement, citing Ms. Fairbairn's outstanding educational programs.

Working with the adult and 4-H livestock programs, Ms. Fairbairn began such programs as the 4-H Demonstration Day, the 4-H Teen Recreation Weekend, 4-H Achievement Night-and the 4-H Spring Fair.

She has aided area producers with her successful programs in Beef Cattle Performance Testing and Basic Sheep Management. In 1981, she started the Chester County Equine Council.

Ms. Fairbairn has also worked closely with teens, starting the personal development program. Through the program, 4-H'ers learned proper identification of productive farm animals and public speaking skills. This year, the county's Senior Livestock Judging Team was named the National Champions in Beef Judging at the national contest in Louisville, Kentucky.

A native of Coraopolis, Ms. Fairbairn received a bachelor of science degree in animal production from Penn State. She is a member of the Pennsylvania Association of County Extension Agents, the Lancaster-Chester County Pork Producers Council, and the Chester County Youth Advisory Council.

Other programs Ms. Fairbairn has organized include Pasture Management for the part-time farmer, the 4-H Swine Program, and the 4-H Lamb Feeding Program.

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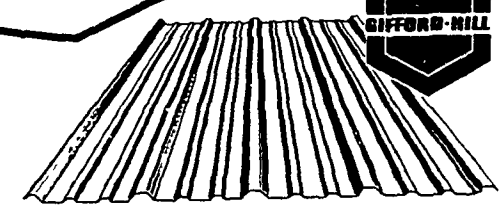

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Red Lion FFA visits plants

RED LION — As a part of the summer activities of the Red Lion Area FFA, 40 FFA members of the Red Lion Area School District and four chaperones recently went on a tour of businesses.

A trip is taken annually by the Red Lion Area FFA members to places of interest in agriculture and non-agricultural industry. This year, the trip included a guided tour of Harley Davidson, Inc. of York, where the members viewed the historical background, parts production, assembly, testing and preparation for shipment of motorcycles. It was pointed out to the members during the tour that the company is privately owned by approximately 13 individuals rather than part of a congolomerate as it was previously.

As a contrast, the members then toured the Holly Milk Plant at Mt. Holly Springs, which is part of the Interstate Mile Cooperative owned by approximately 3,200 dairy farmers. At the Holly Milk Plant, the members were informed of the various aspects of receiving while milk from the dairy cooperatives and the processing of it into butter and powdered milk. Of particular concern during the Holly Milk Plant tour was the wastewater treatment process.

To conclude the day's activity, the members spent some time at Baltimore Inner Harbor before attending an Oriole's baseball game at Memorial Stadium.

Additional commodities

WASHINGTON, D.C. — Secretary of Agriculture John R. Block has announced commodity distribution revisions which make available to states an increased amount of bulk Cheddar cheese and increased amounts of processed cheese, non-fat dry milk, corn meal, honey and butter for household use.

To assure that sufficient commodities reach those in need, states will establish criteria to limit distribution to these persons who lack sufficient resources to provide for themselves. It is expected that states will develop standards to target this assistance, and USDA will monitor these state plans.

"It's important that we continue looking for new and creative ways to distribute the bulk commodities which are in government storage," Block said. "There is no reason why a single needy family should find itself without access to federal food assistance."

The food stamp program is the major USDA program for feeding the needy. Food assistance is also provided in the school lunch and breakfast programs, the special supplemental food program for women, infants and children, among others. About 34 percent more is spent on federal food assistance today than in 1980.

"Besides these programs we began distributing surplus dairy commodities in late 1981," Block said. "We have since added some grain commodities to this household distribution effort. Keep in mind, these distributions are temporary, emergency efforts to augment the government's feeding programs while the need exists and while we have some surplus commodities available."

The revisions also provide an opportunity for states not receiving adequate processed cheese to meet the needs of eligible people. In those cases, USDA will make available to the states as much bulk Cheddar cheese as they can effectively use without waste, and allow them to contract with local firms for processing. Local and state health standards must be met and packaging must be for household distribution.

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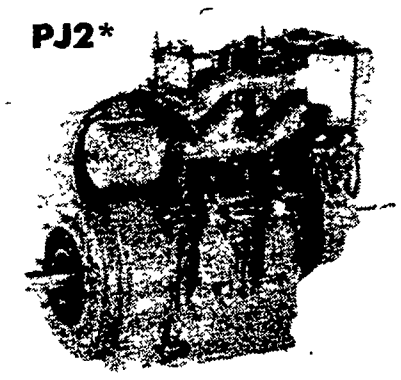

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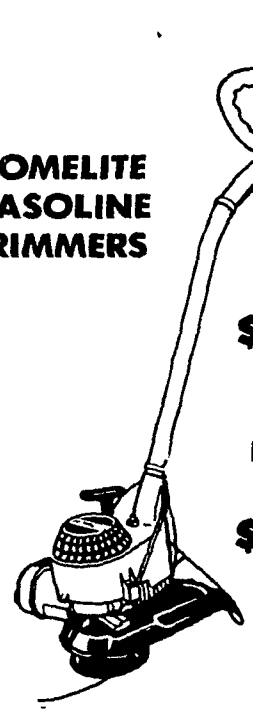

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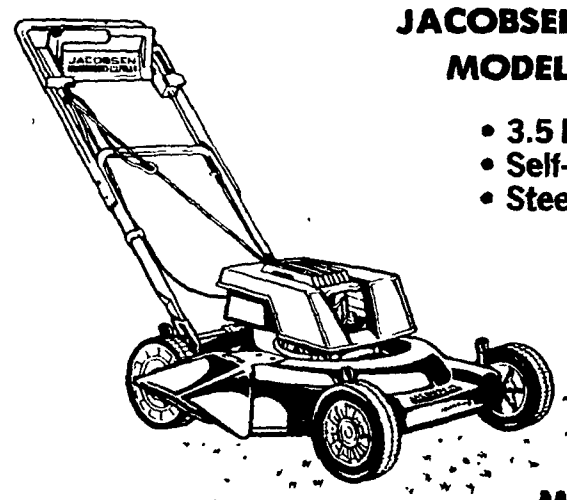

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• Steel Deck

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OUR PRICE
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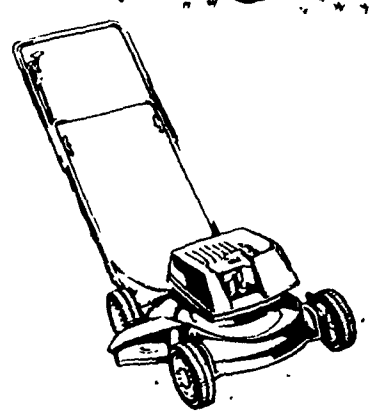

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Lebanon 4-H'ers Win State Contests

LEBANON — Lebanon County 4-H'ers have returned laden with honors from State 4-H Achievement Days held August 8-10 at Penn State.

Lori Reesor was named to the 1983 4-H Fashion Revue Honors Group. She will now compete for the title of State 4-H Fashion Revue winner by completing a National 4-H Report. Lori modeled a taupe wool suit.

Troy Funk, Bunker Hill, earned a medal as a top demonstrator in the general category for his demonstration, "A Picture Is Worth..." Medal winners are the highest scoring blue ribbon winners in each of the seven categories.

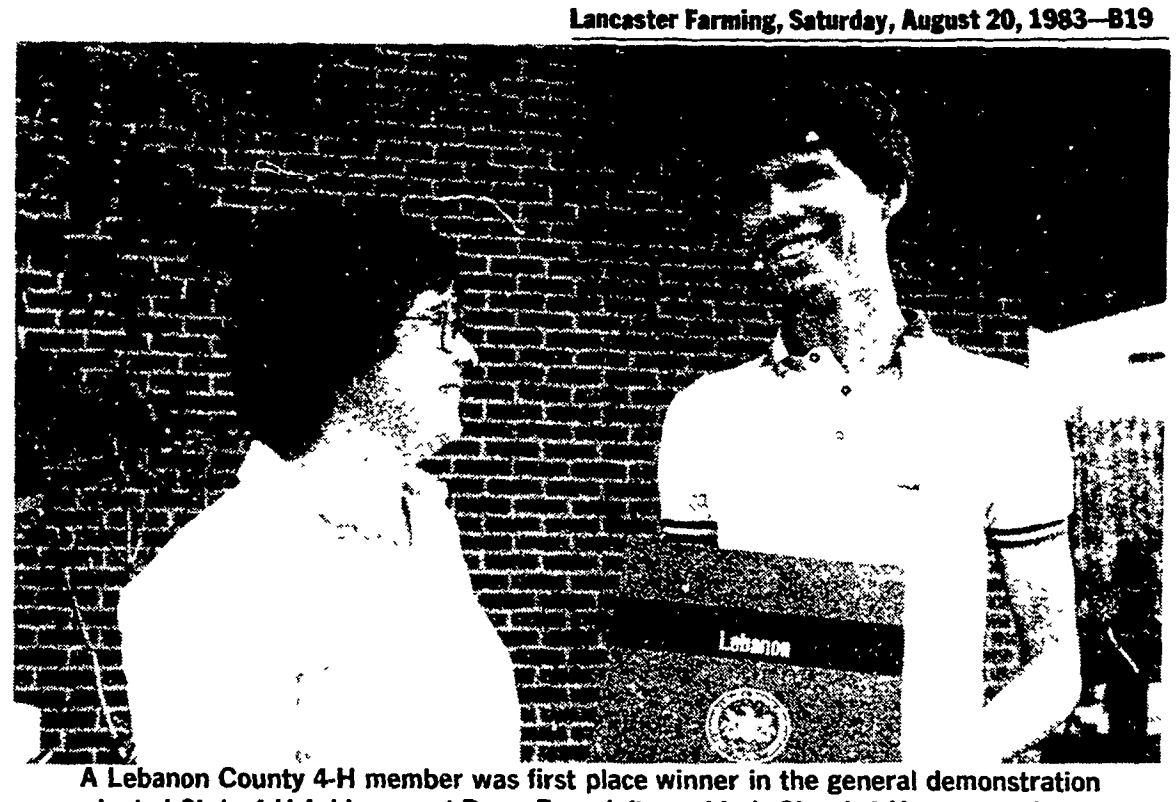
Other blue ribbon demonstrations were Damian Shiner, Myerstown, and Ann Grumbine, Myerstown.

In Fashion Revue, Lori Reesor was named to the Honors group. These ten finalists will now complete a record of all of their 4-H activities to be considered in the final selection of the one State Fashion Revue winner.

The foodarama team earned second place in the statewide contest of nutrition knowledge and judgement. Team members Natalie and Christine Wagner placed fourth and fifth in the individual placings. Other team members were Deb Bolles and Deb Klopp.

Other winners were: Rita Ficco, Lebanon - third individual in physical fitness; Sylvia Royer, Annville - fourth individual in vegetable judging; Dan Shiner, Myerstown - fifth individual in public speaking; Brenda Miller, South Lebanon - 11th individual in horse judging. The horse judging team, comprised of Miller, Margot LeRoy, Meagan Burrichter, and Leslie Hummer placed 18th.

Chaperones for the three-day event were Greg Allwein, Gail Shiner, Linda Siegel, and Mary Smith.



A Lebanon County 4-H member was first place winner in the general demonstration contest at State 4-H Achievement Days. From left, are Linda Siegel, 4-H agent, and Troy Funk, the first place winner.

4-H

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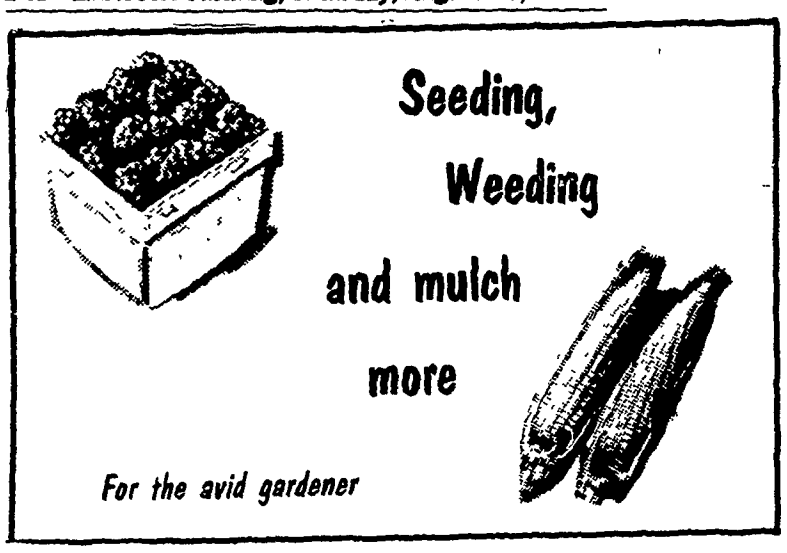

Harvesting, Storing and Evaluating Potato Crops

Many home gardeners will soon be digging and storing this year's potato crop.

Some harvesting and storage procedures should be kept in mind when accomplishing this important job.

1. Be sure your potatoes are ready to be dug and put into storage for future use.

The potato plants and vines should be "dried-up" and brown in color. Waiting for these features to occur will also insure that the potatoes will have "set" good, firm skins. Digging potatoes while the vines are still green usually results in potatoes that bruise easily and are "skinned-up". These potatoes have a tendency to keep poorly in storage and usually end up rotting in storage.

2. Handle the freshly dug potatoes gently.

Rough handling of fresh-dug potatoes can result in skin bruises and skin cracks. Bruises and cracks on potatoes can allow organisms to affect the potato and may eventually cause the potato to rot.

3. "Cure" the potatoes before placing in storage.

The potatoes should be placed in wooden crates, burlap bags or in wooden bushels to dry - down and to allow any cuts or bruises to heal-over. It will take about one week to accomplish this drying and curing.

4. Store the potatoes.

If you have a large quantity of potatoes, consider storing them in a wooden-sided bin with a wire mesh bottom. This type of bin will allow the potatoes to continue to dry-down and will provide plenty of needed air movement for the potatoes. Excess dirt can also fall off of the potatoes and can be collected under the bin. If your potato crop is small, you can store the potatoes in wooden crates, wooden bushel baskets or burlap bags.

Potatoes in storage need some air movement, a storage temperature between 37 degrees F. and 43 degrees F., plus a relative humidity of 85% or higher. The high relative humidity helps to prevent shrinkage of the potatoes, prevents pressure bruising and also helps to keep the potatoes firm.

All of these factors are needed in order to safeguard the quality of the stored potatoes and also to prolong their use throughout the fall and winter months.

If your 1982 potato crop was poor or disappointing, now is the time to evaluate your growing and management techniques.

Some questions to ask yourself should include:

1. Did I soil test my potato plot before planting?

If you didn't, now is a good time to accomplish this important job. A soil test is a wise investment. This test will help to identify available nutrient levels in your potato plot. It will also tell you the pH of your soil and the soil test can be used to determine needed amounts of fertilizer and lime in order to establish and grow a strong stand of potato plants.

2. Were insects a problem?

Insects can be a problem in potato stands. The worst pest in potatoes is the Colorado potato beetle. This insect can destroy potato plants very quickly and is a prime factor in reducing the final yield in many home garden potato plots. Some other insects that can bother potatoes include aphids, flea beetles, wireworms, and leafhoppers. All of these insects can be controlled by using the proper insecticides. If you lost some of your potato plants to insects, now is the time to find out how to control these pests and be ready to eliminate them from your 1983 potato plot.

3. Was your potato plot full of weeds?

Weeds like pigweed, quackgrass, lambsquarters and other broadleaves will reduce the yielding ability of a potato plot. These weeds will "steal" nutrients from the potato plants and will also use up water that is needed for tuber formation and growth.

4. Was your potato plot affected by early or late blight or other potato diseases?

Early blight, late blight, potato blackleg, verticillium wilt, fusarium wilt, leaf roll and mosaic viruses are some of the different potato diseases found in Pennsylvania. These can cause premature plant death, stunting and poor yields. Most of these diseases can be prevented by using good crop rotations, good sanitation when planting the potatoes plus the use of fungicides.

Growing potatoes is hard work. The grower has to know what the potatoes need in order to get established and then grow to yield a good crop. The potato plant needs adequate soil nutrient levels, adequate water, good insect and weed control, a good fungicide spray at least once a week plus adequate sunshine. The proper combination of all of these ingredients should result in a good potato yield for the homeowner.

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Cedar Crest holds SOEP tour

LEBANON — On Tuesday, July 26, FFA Members from the Cedar Crest Future Farmers of America held a tour of the members projects. The school administration was invited to attend the tour. Administrators that attended were Superintendent, Edward Phillips, High School Principal, Joseph Sakalosky and Vice Principals, Joseph Hartman and Glenn Caufman.

The tour began in the Vocational Agricultural Classroom with an introduction and welcome by Chapter President, Jeff Zuck.

After the introduction members and administrators toured eight students supervised occupational experience programs. (S.O.E.P.)

While on the tour the participants took part in and witnessed a few of the skills learned by the members through their S.O.E.P.

Participants in the tour were treated to homemade root beer and punch by the Groff Family and to peaches by the Krall Family. At dinner time, members and their guests were treated to a picnic style lunch at the Eugene Martin Farm. The meal consisted of hamburgers and hot dogs, baked potatoes, baked beans as well as other foods and was topped off with homemade ice cream.

Members whoe S.O.E.P's were toured were Tonya Johnson - work experience at the Hershey Bare Farm; Jeff Zuck - work experience at the Lynwood Heagy Farm; Ann Lansberry - horses; Dan and Dave Groff - steers; Gale Hitz - garden and swine; Gary Krall - swine; and Richard Houser - work experience at the Eugene Martin Farm.

Other members with the tour included Brenda and Heidi Peiffer, Lisa Houser, and Jenny Embich, the chapter advisor is Harold Berkheiser.

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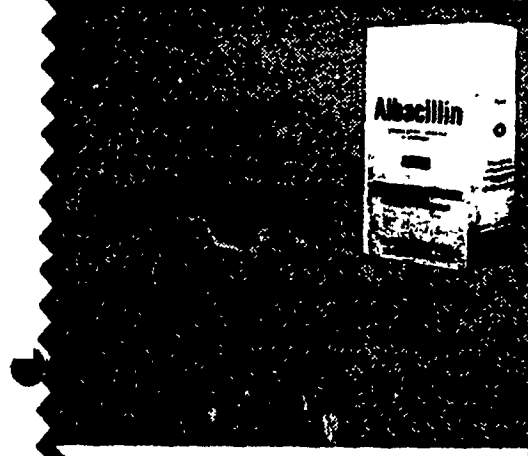
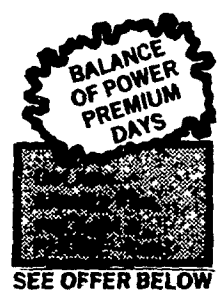


The Webcor Zip 720



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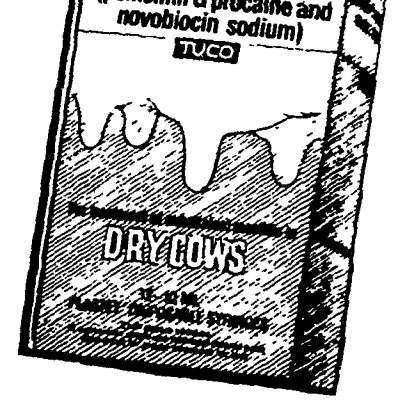

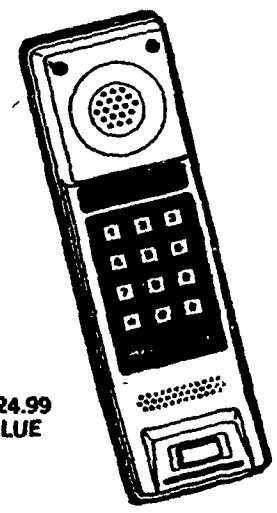

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F.W.S. Calendar

Saturday, Aug. 20

Lancaster Society 3 meets with Mary Schantz to hear the history of the Schantz farm.

Thursday, Aug. 25

Lancaster Society 28 visits Crown Kitchen's showroom.

Lancaster Society 11 meets at Chestnut Level Church House for IFYE program.

Saturday, Aug. 27

Lancaster Society 5 sponsors a chicken barbeque. Husbands are invited.

4-H Fair Scheduled in Lansdale

LANSDALE — The 1983 Montgomery County 4-H Fair is coming up soon! The Fair will take place August 18-20 at the 4-H Center, located on Snyder Road, off RT. 363, in Lansdale. Included in this year's fair will be three days of events that the public can participate, *you do not have to* be a 4-H member.

Some of the special highlights for this year's fair include carnival-type game booths, a 4-H banner contest, Ag Olympics, a rocket launch, a rabbit and cavy bowl contest, and square dancing.

The carnival type game booths are set up by 4-H clubs and will be open throughout the fair. They will feature a dunking booth, clown face painting, and a bake sale.

The 4-H banner contest will be held on Thursday at 8 P.M. This gives 4-H'ers a chance to advertise their club and 4-H.

The special events to be featured on Friday night will start off with the launching of several 4-H'ers model rockets at 6:30 P.M. Then at 7:30 P.M. will be Ag Olympics. This will feature all kinds of "down home" country fair games such as, hay bale tossing, watermelon eating, manure pitching, wheel barrow racing, tug of war and raw egg tossing. Ribbons will be awarded and everyone may compete by age groups.

Square dancing will follow the Ag Olympics at 9 P.M. Vernon Wersler will serve as dance caller. The public is invited to join in the fun. There will be a 50 cents fee for each dancer.

Saturday will feature a rabbit and cavy bowl contest at 10 A.M. This is a college bowl type contest open to all. Test your knowledge with the experts and answer such questions as; What is a cavy? What happens when you pick up a cavy by the tail? or What are baby rabbits called?

Saturday will also feature a Horse Gymkana Show and a goat show at 9:30 A.M. In the afternoon, the annual 4-H Family Chicken Barb-B-Que will take place at 5:30 P.M. Please call for your reservations early!

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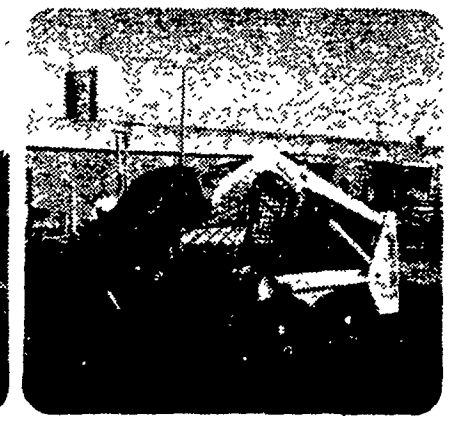
7:00 am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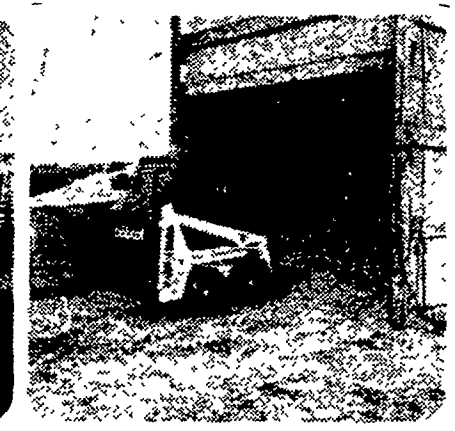
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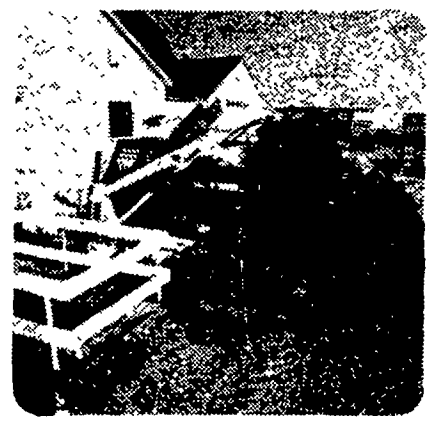
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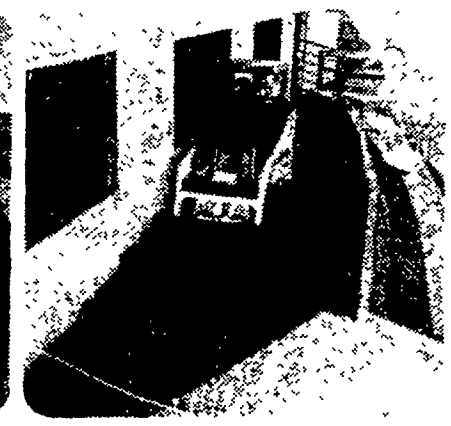
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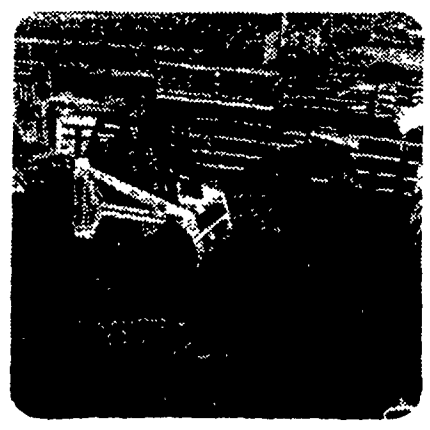
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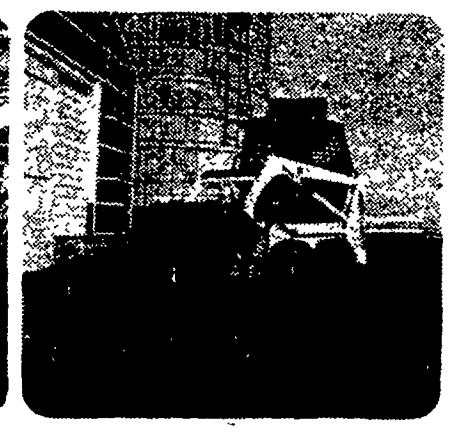
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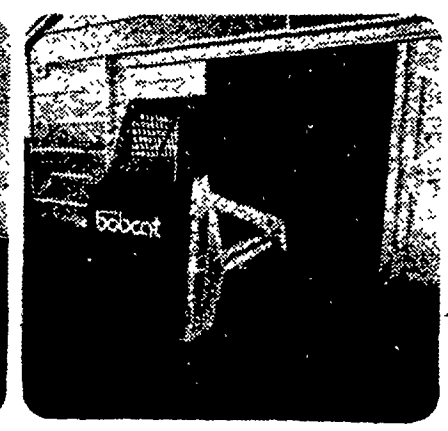

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27'	10,072	26'- 3"	$ 3,295	32¢
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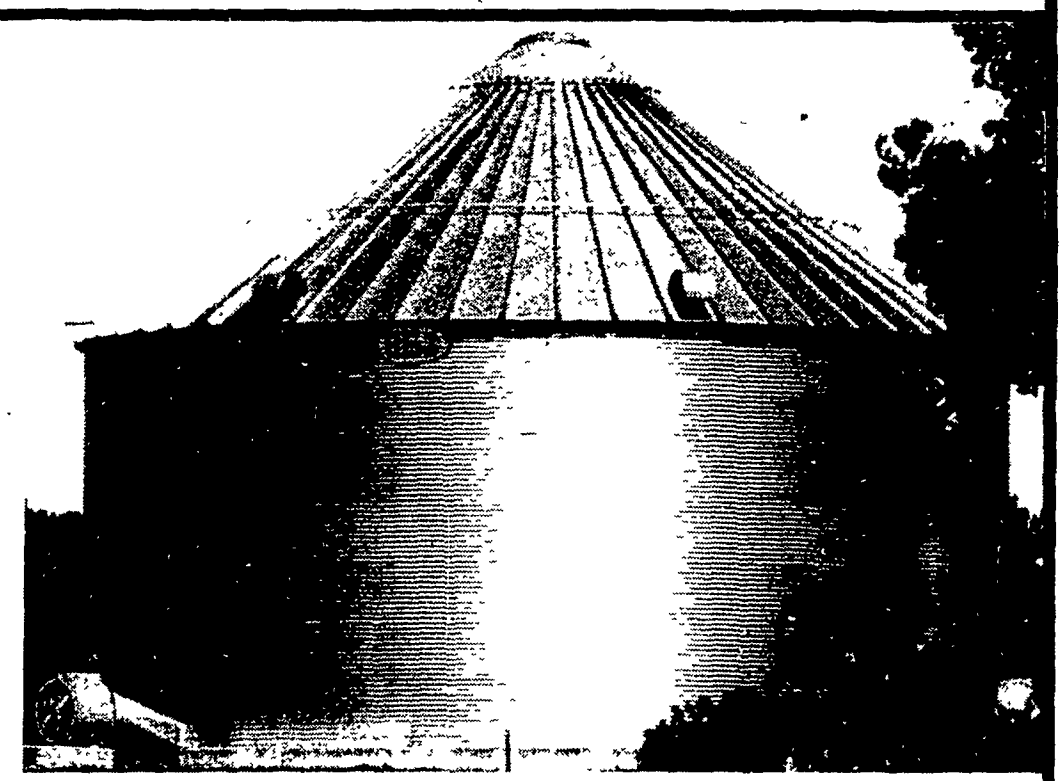

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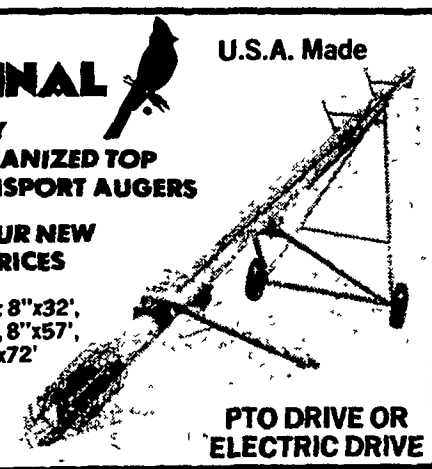

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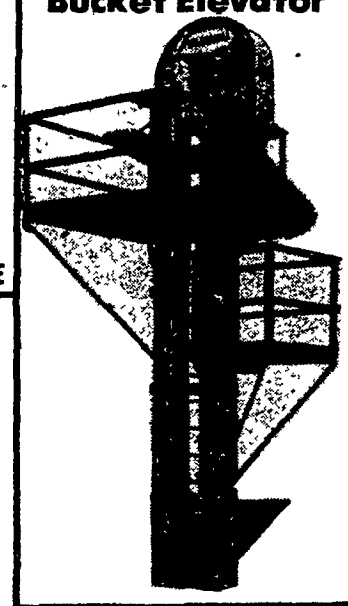

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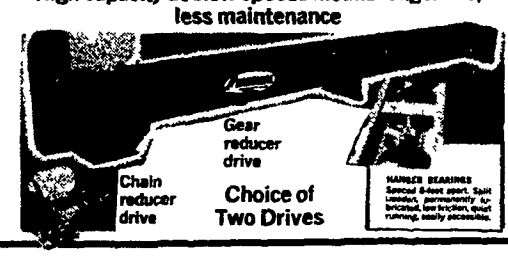

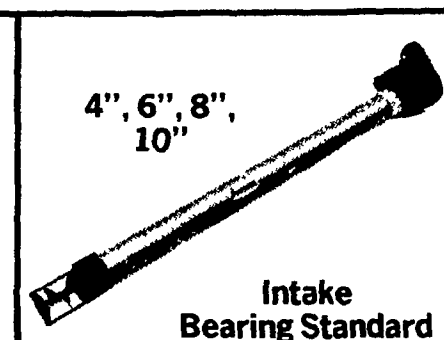

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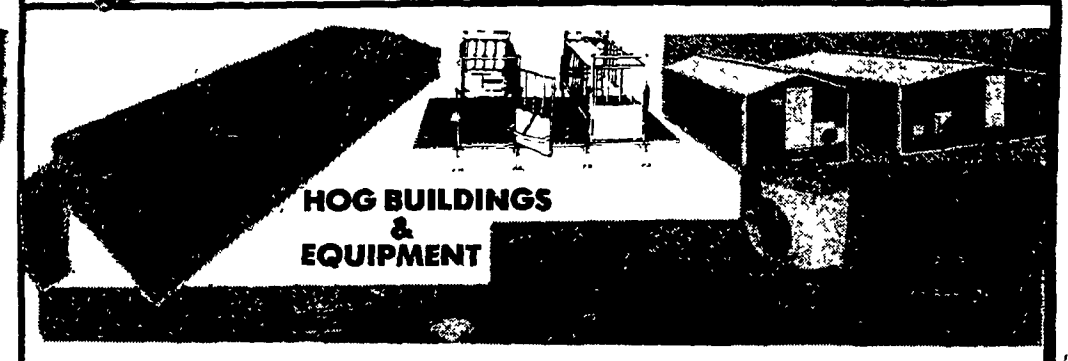

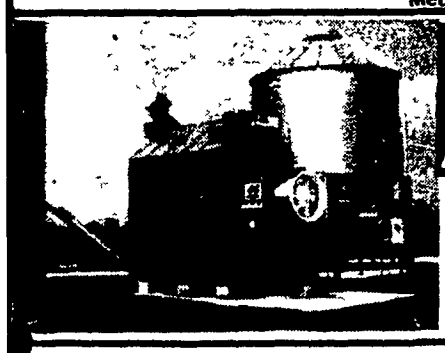

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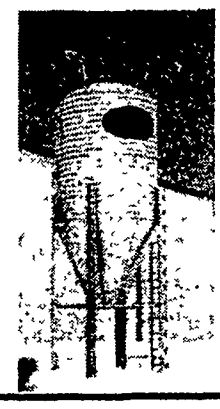
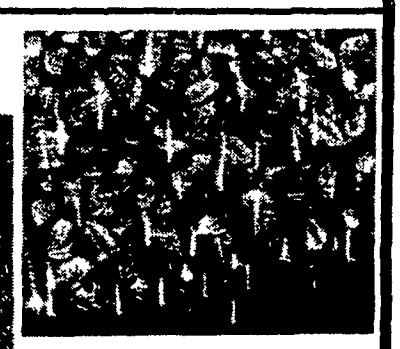


AIRSTREAM



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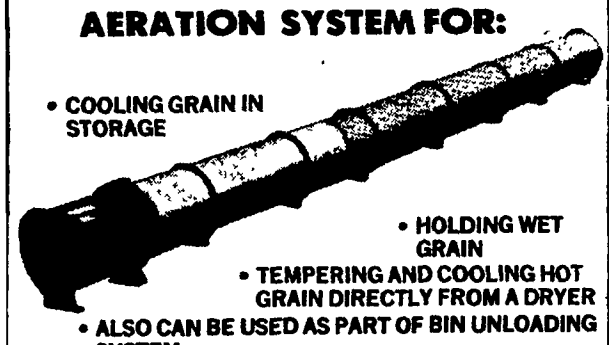

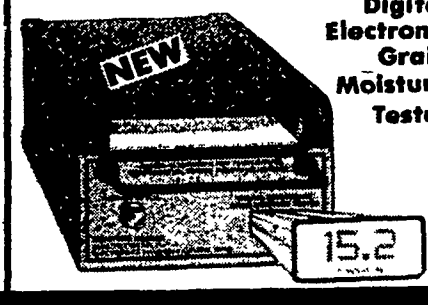

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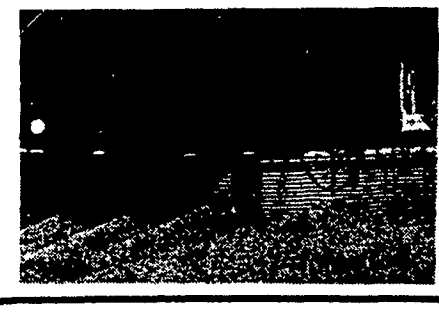

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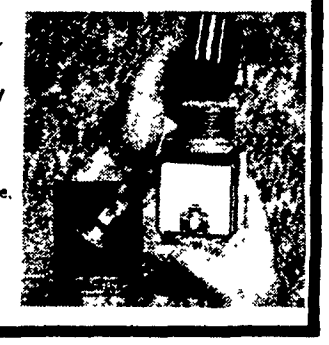


How Does it Feel to be the Only Woman in

Helen Walton, one of the first female graduates from Penn State's School of Agriculture, remembers feeling a little "lonely" and "scared." "If I walked to class with anyone, it had to be a b-o-y because they were the only ones going to the same classes," Helen remembered.

BY KIMBERLY HERR

KENNET SQUARE — Helen Stephens Walton's alma mater contained the phrase "as we stood at boyhood's gate," and requested that the school mold its students "into men, into men."

Well, Helen had never stood at boyhood's gate, and she certainly did not want to be molded into a man. She did want to attend the Penn State School of Agriculture.

In 1926, women in that section were few and far between. In fact, when Helen entered as a freshman, there was only one other girl in the four-year course of study, and she was a graduating senior.

"You felt rather lonesome," Helen remembered. "It was scary."

At 77, Helen's eyes still twinkle and a smile brightens her face as she talks about her college days.

"I had braced myself, accordingly," Helen said of being the only girl among hundreds of men. "I decided there would be no monkey business, if I was to work as part of the team."

The reactions to Helen's enrollment in the School of Agriculture were mixed.

"The boys in my class did not treat me as a helpless female in anyway," Helen said. "They were used to me. And that's the way I wanted ti to be."

"They (her male classmates) always tried to do nice things for me without making me feel degraded or lesser," Helen added. "I never felt like a dainty little girl among some great, big husky men."

There were times, however, when obstacles were thrown in Helen's way because of her sex.

"There were times when it bothered me very much to be the only girl," Helen said.

With an undaunted spirit that would make women's liberationists of today proud, Helen fought and won.

Helen told of how the class was going on a day-long field trip, and the professor did not want her to go along.

"I really had to insist," Helen said.

The professor agreed to allow her to go. When they returned, Helen said, the professor called her over to him and told her everything had gone smoothly, and there had been no problems.

"What kind of problems were they expecting?" Helen said, eyes flashing behind her glasses. "That made me so mad."

Another problem occurred with a history professor.

"He would go out of his way to say something nasty about me being in agriculture," Helen explained.

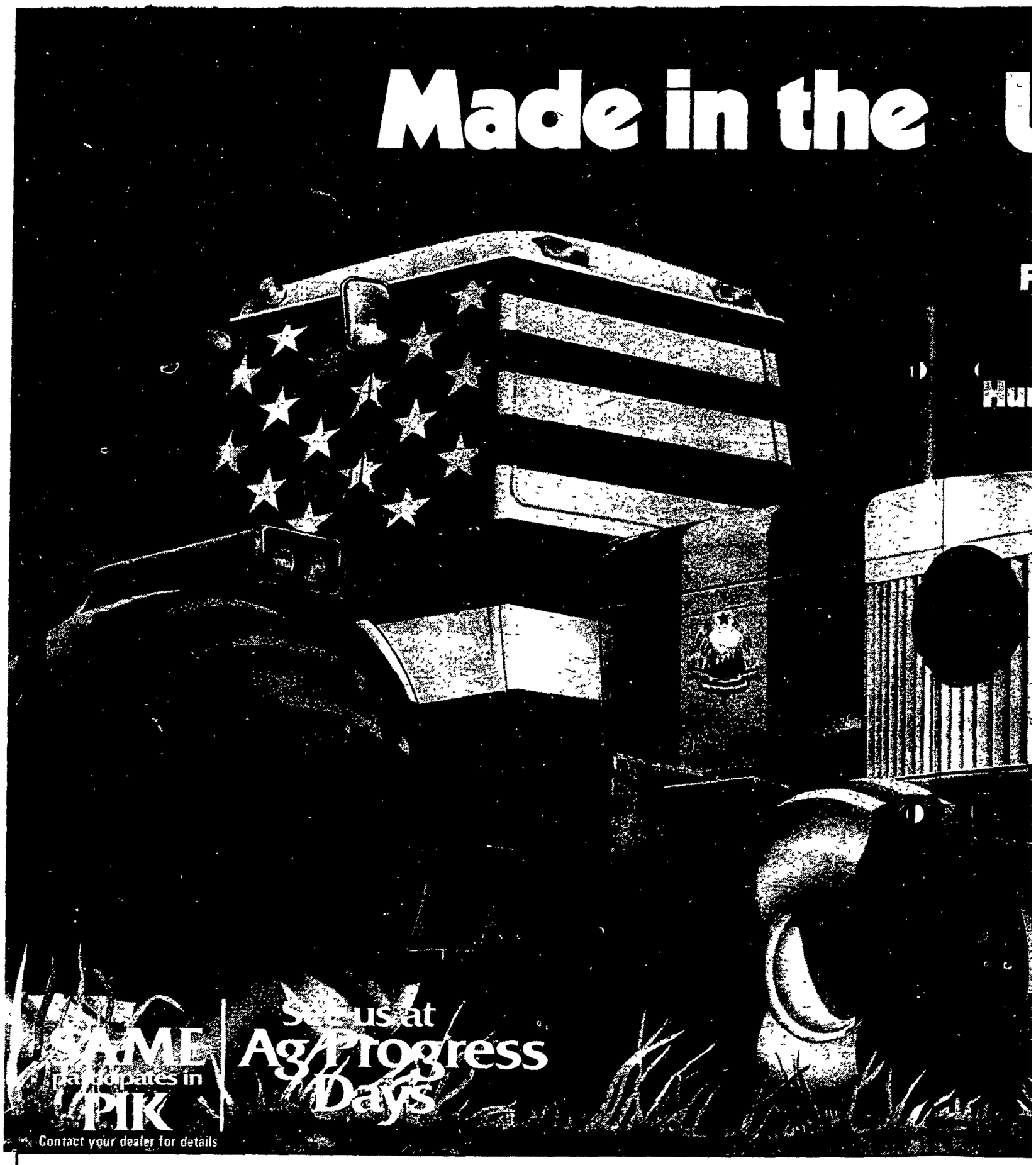
She soon put a stop to that by telling him, "There is as much refinement in agriculture as in anything else."

The harassment stopped.

When Helen first went to see

"Never did I feel so small," said Helen Walton, explaining how she felt when this picture was taken. Helen was one of the first women to graduate from the Penn State School of Agricultu ir-year

Helen received her B.S. degree in horticulture from Penn State in 1929 That same year, she married a college sweetheart and went into the florist business.



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Woman in the Classroom? Ask Helen Walton

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ate School of

Agriculture. Pictured above, she was the only girl enrolled in ir-year ag courses in 1926.

about enrolling, the dean of the School of Horticulture, Dr. Fletcher, asked her, "Are you interested in a man?"

Apparently, a woman who had previously enrolled in a two-year ag program had listed the abundance of men as her reason for entering the college. Dr. Fletcher wanted to make sure Helen was not pursuing similar interests.

But Helen had her mind on receiving that bachelor of science degree in horticulture. She graduated after only three years thanks to some credits she had taken at what was then the Bloomsburg Normal School, now Bloomsburg State College, and the fact that she "always overscheduled." Penn State was on the semester system at that time.

This is not to imply that Helen did not partake of the social activities, which have always been in abundance at Penn State.

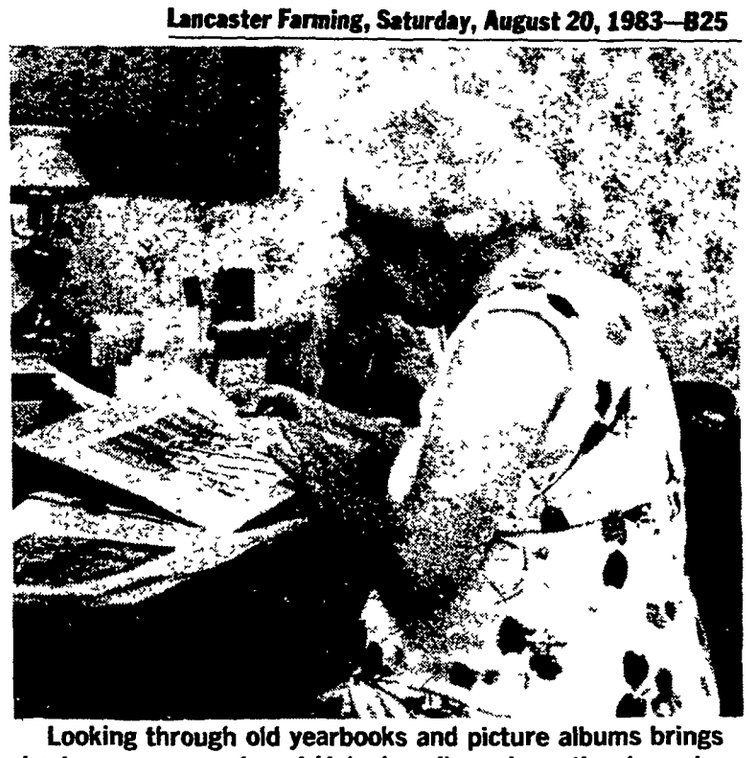
Like the number of women enrolled and the words of the alma mater, the social events and moral norms of the school have changed since Helen's college days.

"All the freshman girls had to wear green ribbons in their hair," Helen remembered.

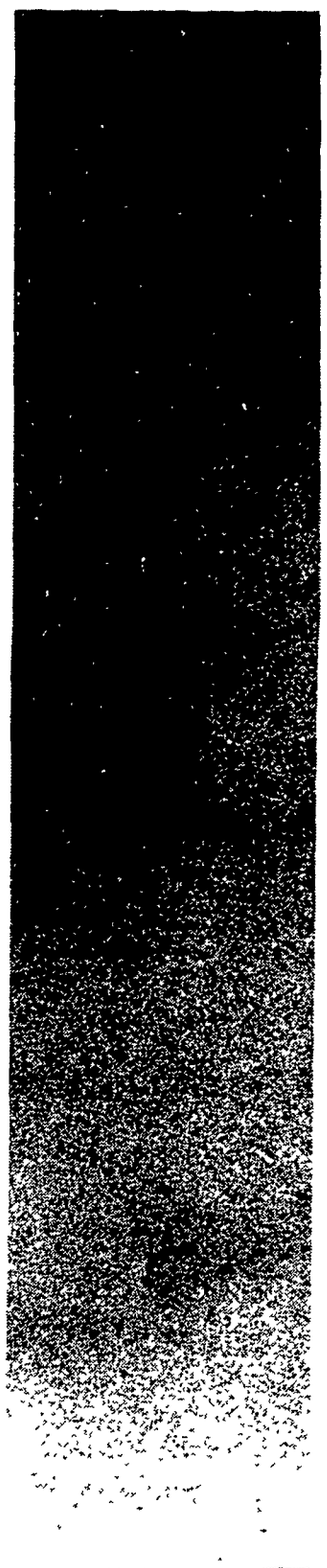
That was by far not the only dress code.

"You didn't wear slacks," Helen explained, adding you could have been kicked out of school for that.

Not only couldn't you wear slacks, but Friday night was formal night in Mack Hall, Helen's dormitory. That meant you could not come to dinner, unless you were wearing a long dress



Looking through old yearbooks and picture albums brings back many memories of Helen's college days, the days she was helping to open doors for the generations of women who would follow her to Penn State's School of Agriculture.



Some of us just skipped supper that night," Helen laughed.

There were other differences. For instance, when 10 p.m. rolled around on weeknights, it was lights out. On weekends, the curfew was extended to midnight.

Although on many college campuses today men and women live in the same dorm, sometimes even in the same hall, this was not the case in the 1920s.

Men were allowed to be in the living rooms only of the women's dorms.

"You didn't dare take them to the rooms," Helen said.

If a man managed to venture into the hallway, an alarm was sounded. Someone would yell, "Man in the hall. Man in the hall," according to Helen.

Drinking was frowned upon, and students risked expulsion by lighting a cigarette. Marriage was also out of the question. Those who tied the knot found themselves crossed off the enrollment pads.

"It was a product of that day and age," Helen explained to a stunned listener. "When parents sent their children to college, they didn't expect them to get married; they expected them to get an education.

Fraternity parties, then, as now, were a big social event, although, at that time, they were always chaperoned.

"There were really wonderful dances," Helen remembered, explaining how she and her boyfriend, now her husband, would attend six or eight fraternity houses to dance.

"We danced to some pretty good bands in those days," Helen said.

One of those bands was Fred Waring's group.

Helen explained that the dating scene was a bit different then. She said there was not so much emphasis put on "going steady."

"The probability of boys to girls up there was such that there was never a weekend that you couldn't go out," Helen remembered. "You dated different people, and then you made your choice.

Helen made her choice and married Frank Walton in 1929, the same year she graduated.

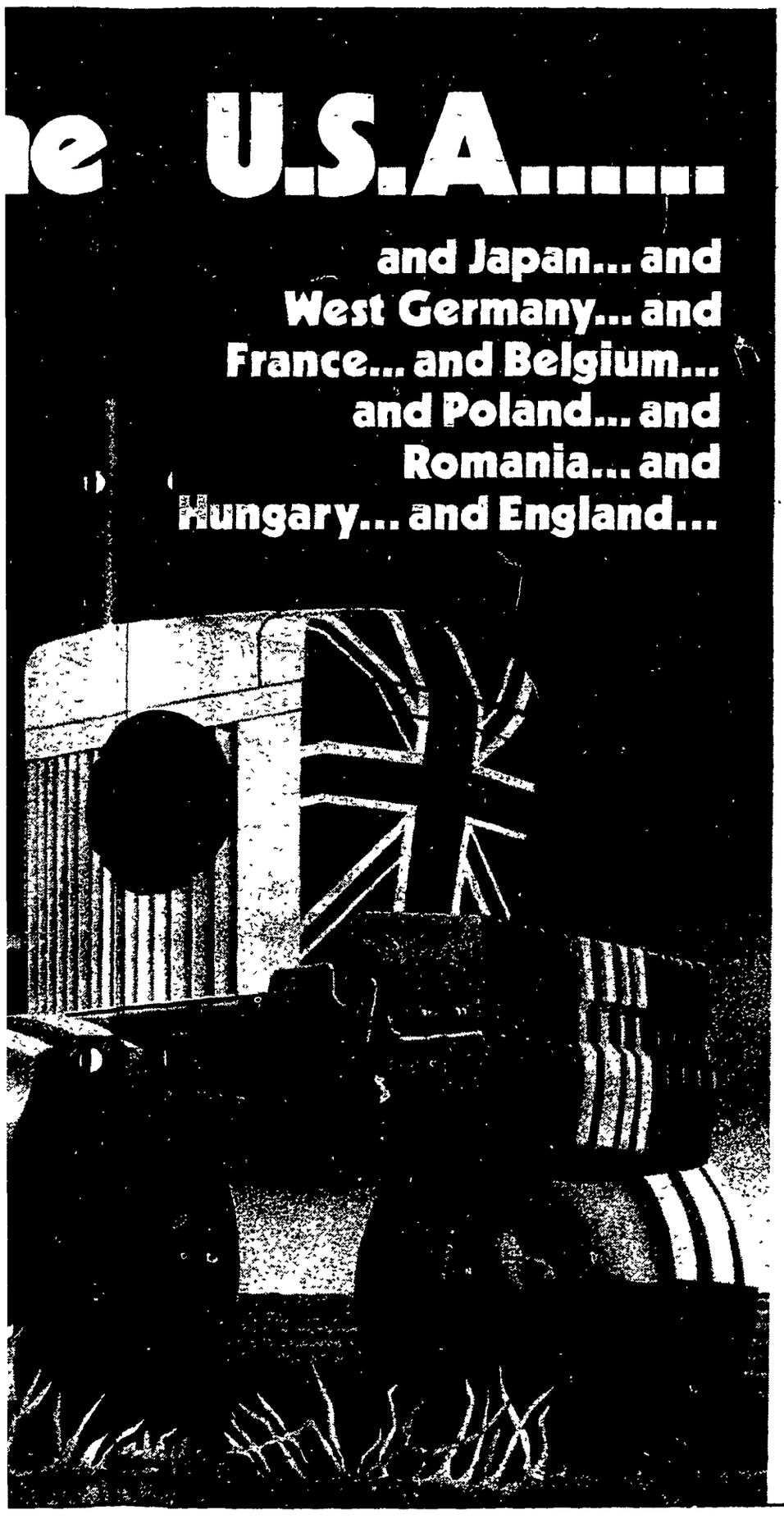
Frank was in the florist business with his father and brother, and Helen was able to dig right in and put her degree to use. Frank had graduated from Penn State in 1927.

The florist business, E.B. Walton and Sons, located on 926 East, near Kennet Square, is still in the family.

Penn State has also seemed to stay in the family. Helen had a sister who was a doctor on the college staff. The Stephens dormitory is named for her. She also has a brother-in-law and a granddaughter who graduated from Penn State.

Her granddaughter recently received her degree in chemistry,

(Turn to Page B26)



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Ask Helen Walton

(Continued from Page B25)

a subject which Helen took many classes in. But that was many years ago, and there have been changes.

"The atom could not be split when we were in college," Helen said. "And organic chemistry was in its infancy."

Regardless of the differences, Helen's 17 grandchildren - she has three children - see her as a source of interest.

" 'Well, Grandma, were you a pioneer?' " Helen said is a question she often gets from her grandchildren.

"In a way I was a pioneer in the School of Agriculture," Helen said.

Helen has kept in touch with her alma mater through work with the Chester County Extension office and her husband's fraternity, which was the Friends Union, and is now Alpha Kappa Lambda. Many of the men were from the Chester County area and have kept in touch. They and their wives have a reunion coming up soon.

Helen will be there.

"It keeps us close to Penn State in a way," she said, fondly.

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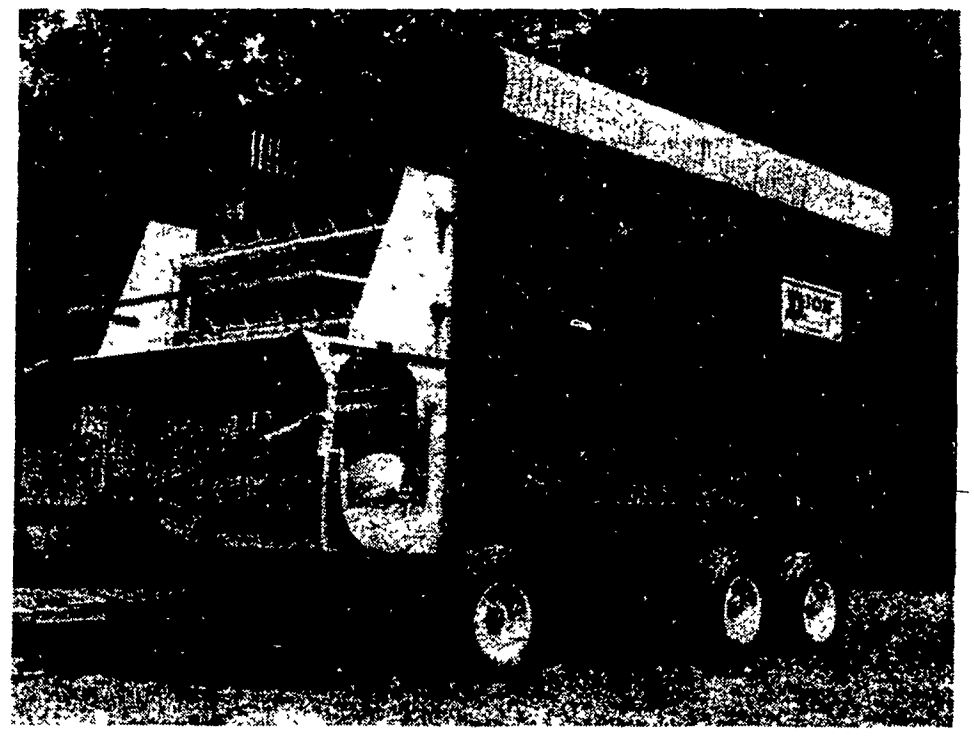

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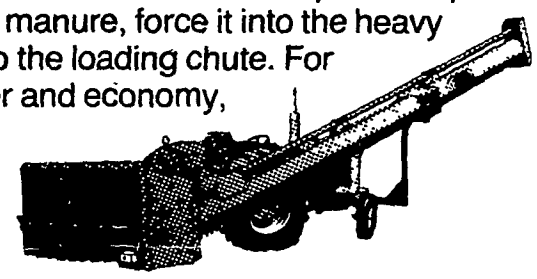

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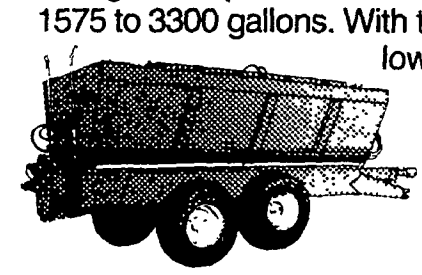

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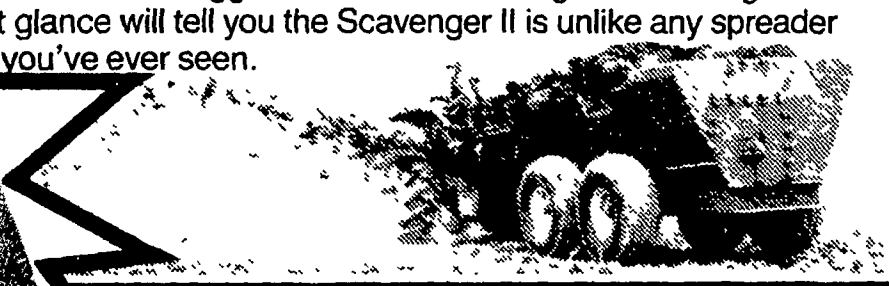

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4-H Member Wins Scholarship

MEDIA — The Delaware 4-H Foundation has awarded a $500 scholarship for the 1983-84 academic year to Brenda L. Hudson, Seaford. A home economics and business administration student at the University of Delaware, she has been a member of 4-H for 12 years.

With her extensive background as a 4-H camp counselor, fashion revue judge and assistant clothing leader, a career as an extension home economist seems a natural choice for the scholarship winner. She also plans to continue as a volunteer 4-H leader.

According to state 4-H leader Marcius Butterfield, Brenda is the third student to win a 4-H Foundation scholarship. The scholarships, supported by income from the 4-H Foundation, are available to former 4-H'ers who are full-time students at either the University of Delaware or Delaware State College during their junior and senior years.

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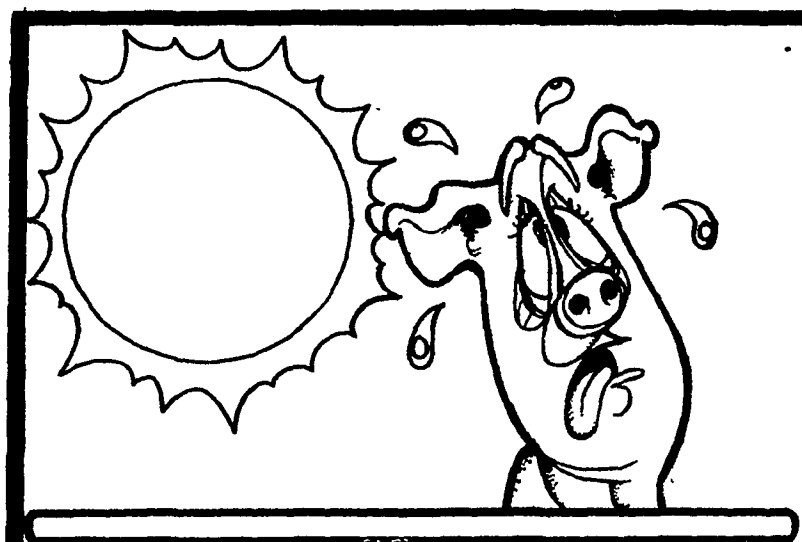

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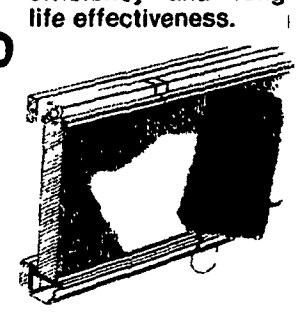

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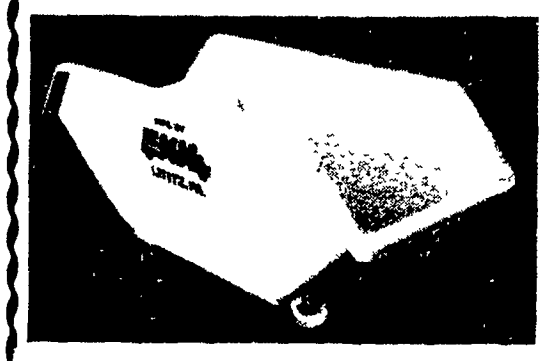

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Potter holds 4-H Horse Show

MILLPORT — Seventeen 4-H'ers participated in the 1983 Potter County 4-H Horse Show, held Tuesday, Aug. 9, at the Potter County Fairgrounds, Millport. In showmanship and grooming, junior division, Valorie Barnett, Ulysses, finished first; Chad Freeman, Ulysses, second; Kelly Rice, Millport, third; Michael Lisek, Ulysses, fourth and Kristie Kovach, Shinglehouse, fifth. In the senior division, Robin Watterson, Shinglehouse, took first; Allen Nyde, Millport, second; Todd Wheaton, Shinglehouse, third; Dana Ernst, Roulette, fourth and Darcie Terrette, Shinglehouse, fifth.

In production classes, Dana Ernst took a first place with her yearling filly, Friday's Folie, while Toby Bova, Coudersport, took a first place in the yearling gelding class.

Rich Higley, Shinglehouse, with Rowsley's Juliet took first place in pleasure pony driving. Rick also took first place in Open Trail 13.2 hands and under while Jason Rice took second with A.R.R. Tarzan's Fire and Toby Bova on Thunder took third. In the Open Trail over 13.2 hands, Valorie Barnett took first place, Dana Ernst, second, Micahel Lisek, third; Todd Wheaton, fourth and Kristie Kovach, fifth.

Kelly Rice also took a first place in the hunter seat equitation with her horse, Dawn Bars.

Taking first place in the pleasure pairs class was the team of Valorie Barnett and Chad Freeman, both of Ulysses. Michele Prestis and Rick Higley, took second place, and Todd and Chyrie Wheaton, third.

In stock seat equitation, junior division, Valorie Barnett again finished in first place with her horse, bArs Premium. Chad Freeman took second place, Mike Lisek, third, Rich Higley fourth and Jason Rice, fifth.

In the senior division, stock seat, Robin Watterson was first on Bit Sugar Star. Allen Hyde finished second and Todd Wheaton third.

In the hunter classes, Kelly Rice took first place in hunter ponies and Dana Ernst, first place in hunter horses.

Jason Rice on A.R.R. Tarzan Fire took first place in the western pleasure ponies class, 12.2 hands and under, with Michele Prestis, Shinglehouse, finished second and Rick Higley third. In the western pleasure ponies class, over 12.2 hands but not over 14.0 hands first place went to Chad Freeman and second to Toby Bova.

Top western pleasure horse was Bit Sugar Star, ridden by Robin Watterson. Second place finisher was Valorie Barnett; third, Becky White, Coudersport; fourth, Chyrie Wheaton, and fifth Mike Bova.

In the western riding contest, Valorie Barnett finished first, Todd Wheaton, second and Chad Freeman, third.

Kelly Rice took a first place in working hunter ponies, and Dana Ernst in working hunter horses.

In the pole bending contest, 13.2 hands and under, Rick Higley took first place with a time of 1.575. First place in pole bending over 13.2 hands went to Todd Wheaton in a time of one minure.

In the clover leaf barrel race, 13.2 hands and under, Rick Higley finishes first with a 26.0 time, while Michele Prestis finished second at 33 seconds. In the clover leaf barrel race over 13.2 hands, Darcie Terrette was first in 20.04 seconds, Todd Wheaton, second and Chyrie Wheaton third.

In the four corner stake, 13.2 hands and under, Rick Higley finished first in 34.4 seconds. In the four corner stake, 13.2 hands and over, Darcie Terrette finished first in 26.8 seconds.

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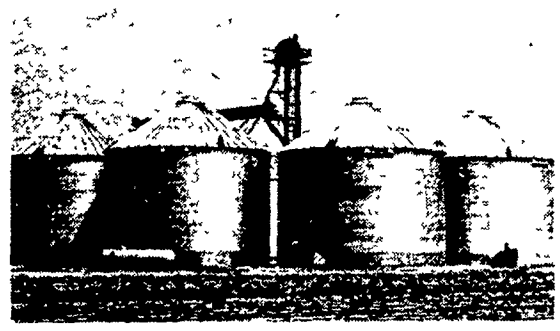

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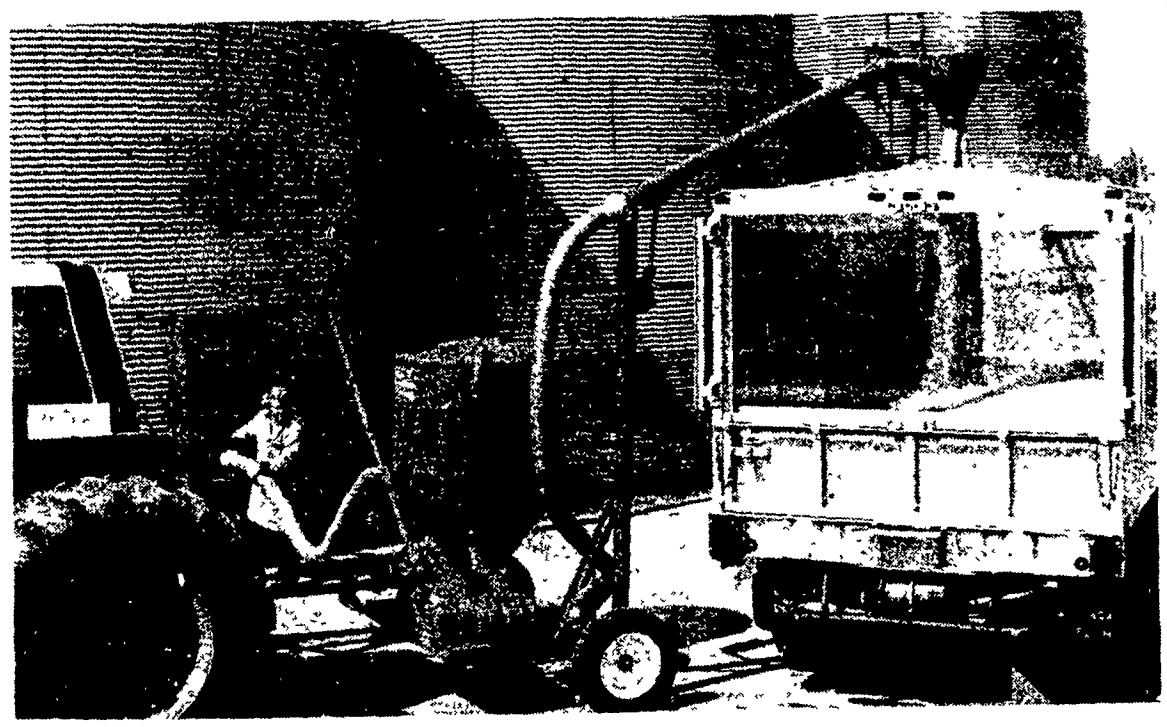

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Preparing for the District 4-H Dairy Show

BY TRISH WILLIAMS

WASHINGTON BORO — As county 4-H dairy shows across the state wind up, blue ribbon winners are looking forward to the district 4-H dairy show where they will have the opportunity to compete on a higher scale, with other top caliber blue ribbon winners from surrounding counties. 4-H members are working to prepare their heifers and theirselves for that day when they will make their best showing at district.

Robert, Thomas, and Susan Barley are three individual 4-H members from Lancaster County who will be competing at the Sounthcentral District 4-H Dairy Show in Harrisburg on August 29.

When the Barley's enter the showring they will be competing as individuals, but the three have worked as a team, helping one another to prepare for the event.

Robert, the oldest, soon to be 14 years old, is a veteran showman, bringing six years of showing experience to the task of preparation. He has helped to teach Tom, 12, and Susan, 10, the ins and outs of showing, from selecting a heifer to show, to training the heifer to lead, to proper grooming.

With support and guidance from their parents, John and Jane Barley, the three have learned quickly the best methods for getting a heifer ready.

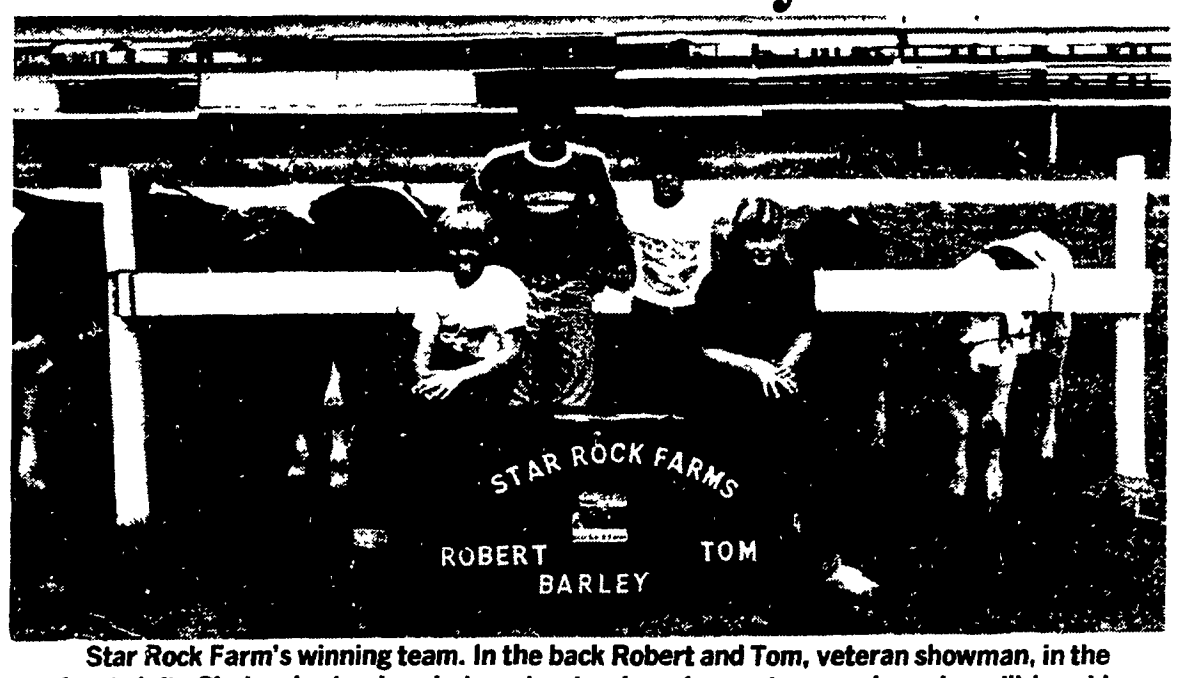
"When the kids first started showing they were not at the top of the class very often," Mrs. Barley comments, "after a couple years of experience they were doing much better."

But perserverence has paid off for the three Barleys. This year at the Lancaster County 4-H show between the three they brought home 16 fitting and showing ribbons as well blue ribbons for type classes.

Competing against each other in the intermediate calf class, they took the top three placings, Robert first, Tom second, and Susan third. In the senior calf class Tom took first with Robert standing right next to him with his second place heifer. Again in the junior yearling class two Barleys went to the head of the class, Robert first and Susan second. Robert won the Junior Champion with his junior yearling heifer.

Robert is a good judge of cattle and recently competed in the dairy judging contest at State 4-H Achievement Days as a member of the Lancaster County team that took fourth place in the competition. He advises "In selecting a heifer to show, look for one that is upstanding and sharp. Remember to consider the age of the calf, try to get a calf born very early in the class so it will be older and larger than other calves in the class."

Show heifers get preferential treatment at the Barley's Star Rock Farm. They are taken from the rest of the herd sometime in early May, and put into separate pens, where they are fed, extra grain, the best hay on the farm, beet pulp, and extra protein.



Star Rock Farm's winning team. In the back Robert and Tom, veteran showman, in the front, left, Cindy who is already learning to show for next year when she will be old enough to join 4-H, and Susan who has been showing for two years.

Tom who won Master Showman at last years county show, suggests, "It's best to start training the heifer to lead early, at least two months before the show. We have found it is better to lead the heifers 10 to 20 minutes a day for a couple of months rather than try to lead the heifer for a couple hours a day for the two weeks before the show.

"If we have alot of work, we might skip a day, but you can afford to do that if you start early," Tom continues. "We generally don't lead on Sunday. We keep the heifers in pens near the house so it is convenient, and most of the time we lead the heifers under the shade tree on the lawn where it is comfortable for both the heifer and the leader. Uncooperative heifers can make it discouraging at times, but stick with it, don't give up."

"Clipping the heifers is also important, especially in the fitting classes," Robert says. "The idea is to try to clip the heifer so her parts look like the blend together smoothly, and so she looks sharp over the withers, and level over the tailhead."

Susan specializes in grooming. She suggests, "Good grooming is very important, because you must have both a blue ribbon in fitting and showing on the same animal, to compete in the fitting and showing class."

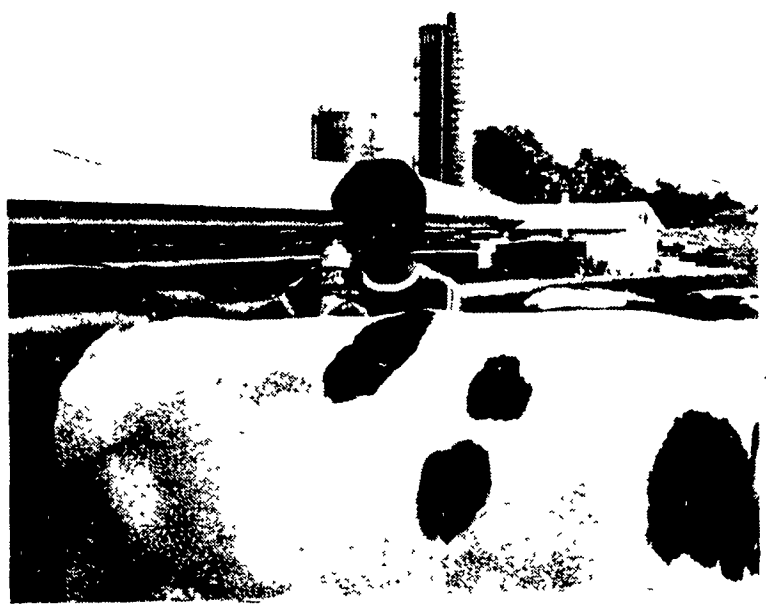
"In the showring," Susan advices, "It is important to keep an eye on both your animal and the judge. Make sure your heifer is set up correctly and that you are showing her at her best. Watch the judge at all times for a signal. If you miss a signal from the judge to bring your heifer into the line-up you may loose your place."

Robert and Tom emphasis the importance of knowing the birthdate of your heifer, and other information about her that the judge may ask you.

Keeping your record books up to date is a must, says Susan. Without complete records on your heifer you will not be permitted to show.

Keeping good records on feed costs, veterinarian bills, growth of your heifer and other important costs will help you to be a good dairyman.

To all the young aspiring dairymen and women who will be competing in the Southcentral District 4-H Show on August 29, good luck. **Lancaster Farming** will be there to cheer you on and carry the highlights and results of the show in our next issue.



A trick Robert learned to smooth out the tailhead on his white heifer is to spray the hair with Rightguard and brush the hair on end.

Tom demonstrates the proper method of clipping the withers. Susan holds the heifer's head up, like it will be in the showring.

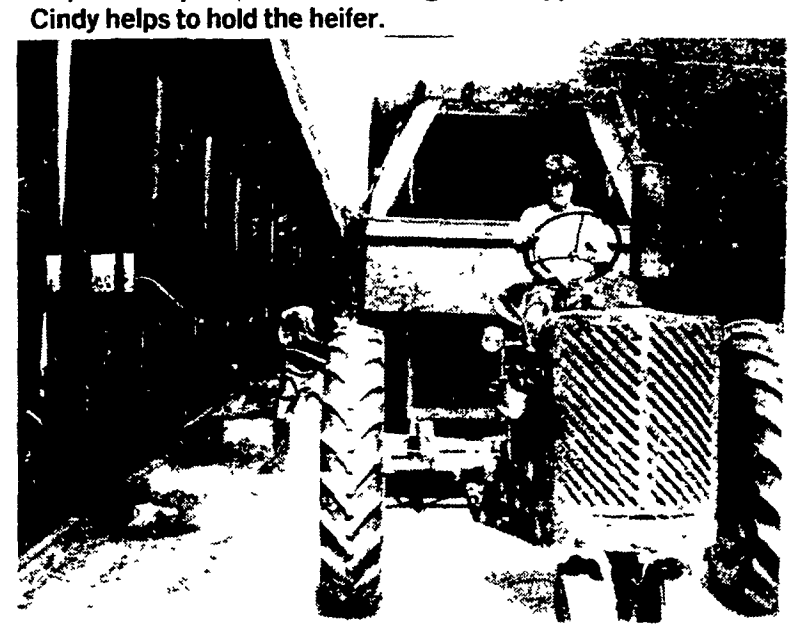
Dairy Day V Aug. 29

SYRACUSE, N.Y. — The dairy industry is a vital part of New York State's economy. It comprises the largest segment of New York's top industry - agriculture. For this reason, the New York State Fair has set aside a special day, Dairy Day, in order to pay tribute to New York's 16,000 dairy farmers. Dairy Day V begins at 11:00 a.m. on Monday, August 29 at the New York State Fair.

Featured this year will be a series of dairy presentations and special events. A new edition to the program is the Big Top Tent which will offer free samples of delicious dairy products from vendors across the state. Key government officials, media representatives and dairy industry leaders will assemble in order to develop a greater awareness and understanding of dairying in New York State.

Show you support for the dairy farmers of New York State by attending Dairy Day V at the Fair. The public is welcome. For further information contact Christine Siebold at (315) 472-9143.

Susan believes good grooming is important, because it helps to improve the heifer's general appearence. Sister Cindy helps to hold the heifer.



Robert and Tom are responsible for feeding over 300 heifers on their family's farm. With the money they earned they have both bought calves for showing at the Pennsylvania on Parade Sale.

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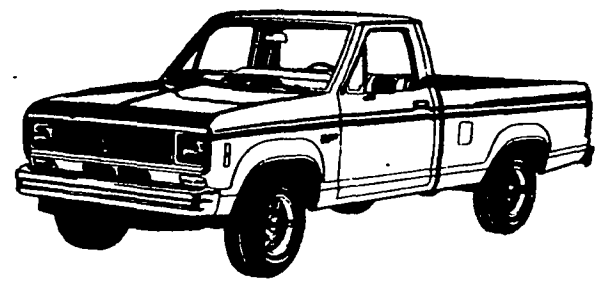

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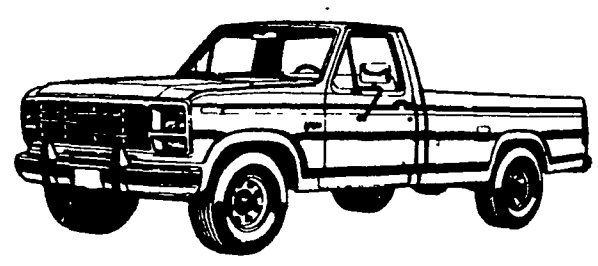

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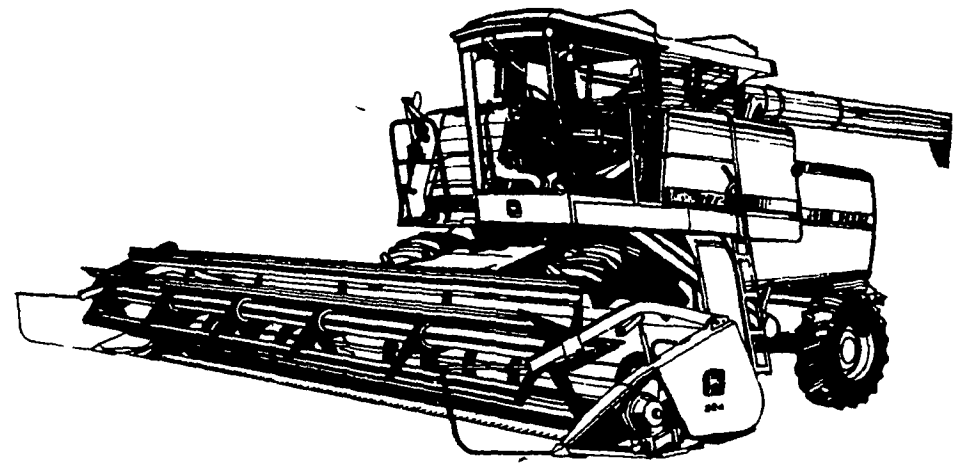

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4-H'ers Win at Achievement Days

Thirty-Eight from Fayette Co. Participate

UNIONTOWN — Thirty-eight 4-H'ers from Fayette County took part in the Pennsylvania State 4-H Achievement Days recently at the Penn State University Campus.

Bringing home a first place was the archery team of Pam Geary, Dawson; Dale Geehring, Dawson; Jeff Hall, Dawson; and Tim Mills, Vanderbilt.

The clothing and textiles team placed 25th. The members were Sherri Antram, New Salem; Twila Shallenberger, Vanderbilt; Michelle Skala, McClellandtown; and Teresa Myers, McClellandtown.

The team of Teresa Coppolino, Lake Lynn; Brenda McCullough, Uniontown; Darlene Turner, Lake Lynn; and Marlene Turner, Lake Lynn; brought home a 23rd place for the consumerama team.

The dairy team of Joe Diamond, Smithfield; Paul Diamond, Smithfield; Chris Herring and Steve Herring, both of Farmington; brought home a 19th place award.

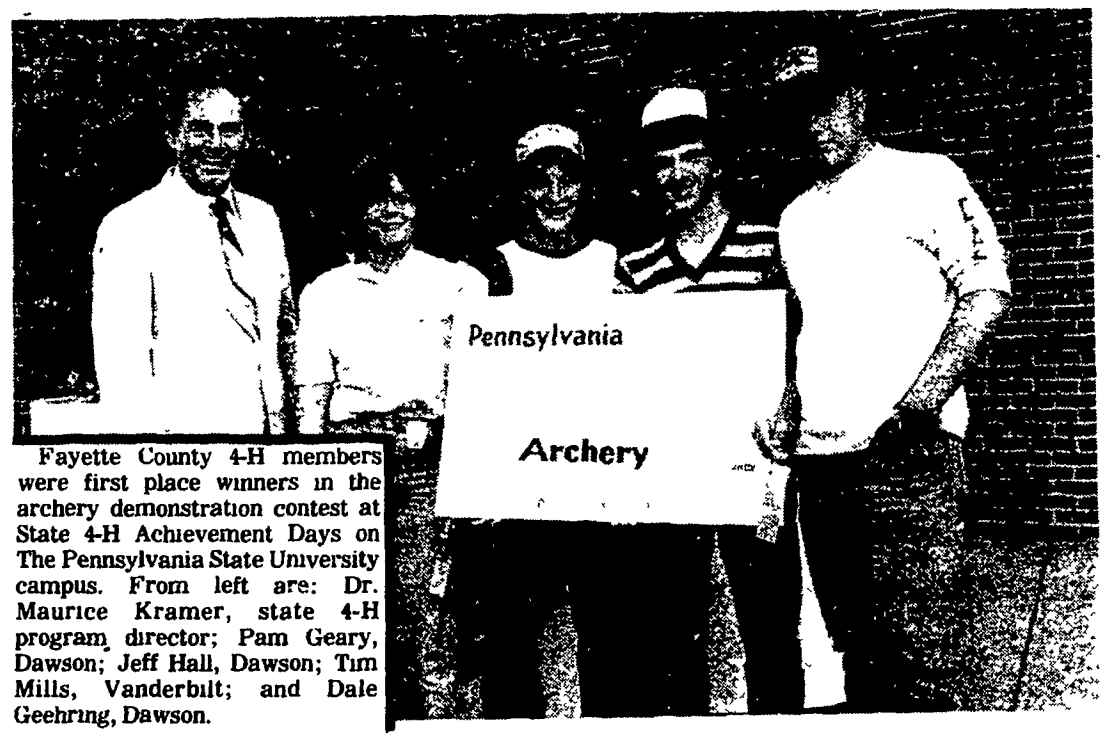
Lon Hayes, Dawson; Kathy Keff, Dawson; and Susan Sickle, Perryopolis; brought home a 26th place for the horse team.

A 19th place was won by the junior livestock team of Debbie Campbell and Penny Campbell, both of Smithfield; Keith Crossland, Uniontown; and Eric Hallas, Vanderbilt.

The senior livestock team captured a 20th place. Members were Chris Diamond and David Diamond, both of Smithfield; and Paul Zitney, Vanderbilt.

Kenny Geary, Dawson; Kim Keffer, Dawson; Steve Meyers, Smock; and Shannon Redinger, Scottdale; brought home a 17th place for the riflery team.

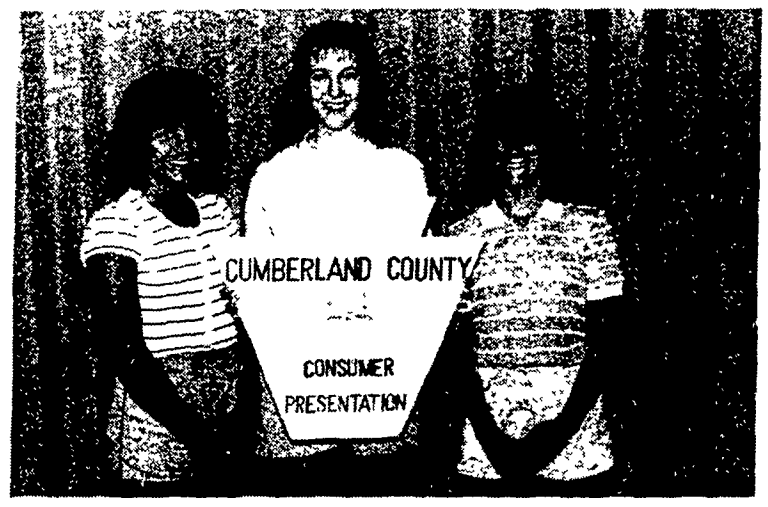
Other participants were Joseph Brown, Republic; Pam Brown, Republic; and Anita Lee, Uniontown; members of the fooderama team; Tim Hoffer, Acme; and Jean Sickle, Perryopolis, members of the meats team; Anissa Boger, Uniontown, and Kathy Shallenberger, Vanderbilt, participants in fashion revue; and Michelle Hayes, Dawson, public speaking.



Fayette County 4-H members were first place winners in the archery demonstration contest at State 4-H Achievement Days on The Pennsylvania State University campus. From left are: Dr. Maurice Kramer, state 4-H program director; Pam Geary, Dawson; Jeff Hall, Dawson; Tim Mills, Vanderbilt; and Dale Geehring, Dawson.

Cumberland Co. Proves Successful

Cumberland County's 4-H demonstrators proved to be winners at State Achievement Days. From left are: Teresa Gutshall, Carlisle; Ed Stone, Carlisle; Cindy Frey, Carlisle; and Dana Heine, Newville. Teresa Gutshall received a blue ribbon, and Dana Heine received a blue ribbon and medal.



Cumberland County's consumer education presentation team placed third in state competition at the 4-H Achievement Days. The team is, from left, Sherry Hippensteel, Newville; Jennifer Kincaid, Newville; and Laura Hippensteel, Newville.

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For Sale Super M Farmall power steering, live pump, MW hand clutch. Rem. Mid 760 rifle 4x scope York Co., 717-382-4431

For Sale - Volcano 11 wood stove for sale. Will heat a nice size house asking $300.00 Lanc Co , 717-548-2862

For Sale - 8x19 Storage tank Glass lined $1500.00, Col Co , A-1 condition, 717 799-0139

For Sale Bundy flute, just reconditioned, with case, $125, Chest Co , 215 932 4/28.

For Sale Near certified redcoat seed wheat 85 bu , near certified abe seed wheat 75 bu , 717 859-2374, Lanc Co

For Sale Farmall F20 $400.00. Silver King $600.00, Both run good, Gruber Wagon, $150.00, Berks Co , 215-488-7383

For Sale 1 row, PTO corn picker. 3x3 pt plow 9' spring tooth harrow 1830 slant lid desk Berks Co , 215-683-5269

For Sale 19 ft 10 in three section cultipacker good cond , $1,100 Chester Co , 215-286 9391

For Sale - Fox Snapper head two row good shape Fits 19/6 Model Harvesters up 814 26/-4701 after 7 p m Somerset Co

Wanted Old quilts, hooked rugs, rag carpet, old painted furniture, dry sinks, chairs, benches, etc , old banjos Lanc Co , 71/ 626-7854

MAILBOX MARKET

For Sale Approx. 1000 bales of good mix grass hay 80 cents per bale. AC cornpicker, make offer Dauphin Co., 717-469 0834

For Sale - Historic, 4 story, brick, grist mill, new roof, water rights, turbines, some equipment Tourist area Lanc Co , 71/-569-2079

For Sale IH 550 forage harvester Good cond , 2 row wide/narrow 540 R P M , York Co , 717 225 1959

Wanted - Used snow tence, please call 717 626 0028 or write, P Trimble, P O Box 214, Lititz, Pa 17543

For Sale New JD 260 loader single lever control 84' Bucket $4500 , 717-626 6059.

For Sale - 100 Plus acres corn wide rows. 3184 Pioneer 250.00 acre Lititz Lanc. Co , 717 626 2920

For Sale - Your choice 2 of 3 white milking does ADGA Alpine Black Polled buck $70 York Co , 1-71/92/ 9327

For Sale 30 Bu Weaverline silage cart $1,000 00 and 10 Jamesway yokes good cond , Lanc Co , 717-786 2692

For Sale White Aluminum Replacement Windows w/insulated glass and screens Great for home use, porch enclosure, Carroll Co , Md , 301 756 2710

Wanted - 18-20' rollback body cult for Super A tractor. For Sale Loader for 730-830 Case tractor, 215-598-7546

For Sale 34' JD corn elevator w/motors $750 good cond , 2 beater Grove silage wagon $750., 717-776 7692, Cumb Co.

For Sale - 20 Zook Manure elevator., John B Fisher, RD3, Box 101, Furnace Rd , Quarryville, Pa. 17566

For Sale - NH 892, Harvester-3 row narrow low profile 1983-Honda ATC, 185S 3 wheeler Lanc Co., 717-665-3865.

For Sale - NH No. 7 forage wagon on NH gear, $600, Lanc Co , 717-665-4239.

For Sale Male white German Shephard dog Purebred, but no papers Good watchdog, Lanc. Co , 215-267-2076

For Sale - Loader for IH M or H tractor, $175. 717-944-3500, 944-1346, Dauphin Co.

For Sale - 1958 Ford 1½ ton dual wheel V-8 engine, diamond plate body, 10' ton winch, snow blade., 609-629-6596

For Sale - Grain dryer, GT Model 570 recirculating batch dryer Very good cond., 215-965-9629 after / p m Lehigh Co

For Sale Vertical steel tanks glass lined one, 7000 gal , $700, ONE 5000 gal $500, Lebanon Co , 717 865-2385, after 4 p m

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For Sale 8' concrete Hog slats, 5 bushel rotary feeders, 6'x40 Hog curtain nipple waters, medicator, 717-866-4185, 215-589-2966

For Sale 1982 Olds Cutlas Supreme 4 door, 22,000 miles air cond , $7,190 00 offer. 1090 Hesston Haybine offer 717-866-4185, 215 589-2966

For Sale - 76 Dodge pickup 6 cyl, straight shift 8' bed. Reason for selling- bought bigger truck. Leb Co , 717-949-3901

For Sale - 1977 Dodge tradesman, 100 van office, 6 cylinder, AT, PS, PB, insulated, panelled, carpeted, drawing board, filing cabinet, storage, 215-696-3425

Wanted - Kerosene weed burner torch and also a phasemaster to run 5-10 horse motor., 717 367 2791, Lanc. Co

Wanted - Patz or Berg barn cleaner, clockwise rotation In good cond , 215-445-5697, between 6 & 8 a.m or p m.

For Sale - 20 acres corn for silage planted 5/7 Wanted - straw spreader for MF Super 92, Lanc. Co., 717-285-5813, 717-285 7204, eves.

For Sale - 2-18 4x30 rear tractor tires w/rims Also 2 11Lx15 front tires w/rims, 75% thread $700 00 set Lanc. Co , 717 354-8894

For Sale 125 bales hay second cutting clover mixed w/alfalfa 8 miles south west of York 717 792 2185 before / a m

For Sale 40 feeder pigs, also 4 ewes & 1 Reg Hampshire ram, Carroll Co., 301-756 6290

MAILBOX MARKET

For Sale One pr big sorrel Jack mules $1500 firm Jonathan E. Fisher, 133 Buckwalter Rd , Lanc Pa 17602.

For Sale 1972 ½ ton Dodge truck 79,000 miles good, no rust, $1395.00. 1974 Lynx Artic cat, Lanc. Co., 717-367-3221.

For Sale Wood Bros corn picker, 28' elevator, corn shield for Oliver 77, wagon, flail chopper York Co , 717-235-5701

For Sale German shephard pups, Pure bred, black and silver Wanted German shephard female AKC , 717-626-6516

For Sale Ford TW-30, 625 hrs , cab, air, wide tires Excellent condition. $24,000 00 703 350-249 or 703 885-2957

For Sale Farmall cub, harness, 2 Smith Worthington saddles, 1 child saddle, refrigerator, butcher block & freezer , Call weekends, 717-949 3770.

For Sale 8 springir heifers and cows with good pedigrees, Israel S. Beiler, RD#1 Box 117, Christiana, Pa 17509

For Sale - Chihuahua puppies 6 wks , old, and under, Emanuel B King, RD#1 Coopers Drive, Kirkwood, Pa 17536

For Sale Toy Pommeranion pups 8 wks old Reasonably priced Jacob M Stoltzfus, Mt Pleasant Road Quarryville, R#3, Pa 17566

Wanted Corn head for 38 JD chopper narrow row bucket for 47 JD loader Lanc. 71/-656-2824.

MAILBOX MARKET

For Sale N H 2 row narrow corn head model 770 N2 good cond., Aaron S. Nolt, 717 354-6727, Lanc Co

For Sale - 2 yr old Reg Hampshire Ram won second place at 1983 Farm Show, $150 00, York Co , 717 741-2222

Wanted - 100 oak 2x6-12 ft long 717-266-2632

For Sale - 1 Large dog house-$20.00. York Co., 717-225-1595 after 6 p.m

For Sale Service age black and white boar. Lanc Co , 215-445-4305

For Sale - Int 340 crawler tractor Pto & snow plow also Int T D nine crawler tractor, pto., Lanc Co., 717 733 6474.

For Sale Yearling red hens for home dressing Samuel Burkholder, Ephrata, Pa , 717 354-6405

For Sale VE4D Wisconsin w/clutch reduction 785.00. 2 HP Briggs & Stratton. Amos Z. Glick, 105 Horseshoe Rd , Leola, Pa. 17540

For Sale Tobacco Steamer 3 double tobacco fadders 2 with running gear 2 cyl wisc. engine York Co., 717-252 3589

For Sale Service age, bulls Starlite, Bootmaker, Don Augur breeding Christian G Esh, 364 Osceola Mill Rd , Gordonville, Pa 17529

For Sale - Corn silage 10 to 20 ton $25 00 a ton Will sell any amount Southern Lanc Co , 71/-284-3270

For Sale Rye seed $4 00 a bushel Lanc Co , 71/ 872 2596

MAILBOX MARKET

For Sale Gehl Forage Harvesters 2 row $1750 00 Used 20' truck tires-odd size tractor tires-York Co., 717-266-3436, $500.00.

Wanted - AC HD 5 or 6 front end loader must be in good cond., Warren Stair, RD1, Littlestown, Pa. 17340

For Sale Gathering chains #CA620 fits most cornheads, Lanc. Co., 717-354-9916

For Sale - MF 1155 Cab & air dif lock dual hyd. 24-5-32 rubber. Looks and runs nice, Cheap. 71/ 859-2712, Lanc. Co

For Sale - Baker Golden Eagle Wood Stove/w Stove Pipe Heats 3000 square ft , burns 24" logs Used 3 seasons 71/-627 1687

For Sale IH 450 Diesel, Mounting brackets, NI #319 Gathering Unit, NI #322 12 Husking Unit, NI #315 Sheller Unit, 71/ /69-6590, Clinton Co.

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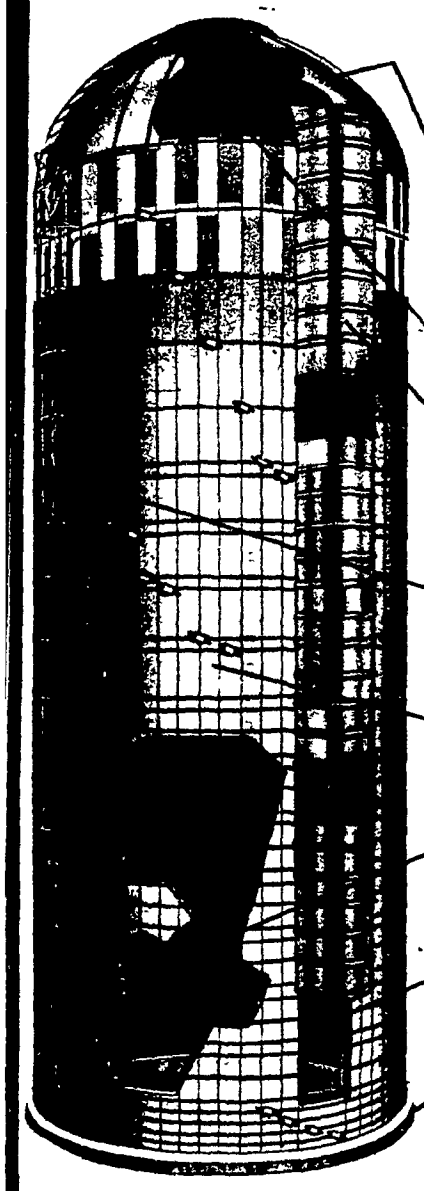

- Aluminized steel or White Colordome roof with blue fiberglass roof cap, roof ladder and sliding filler door.
- Unloader tripod, installed.
- Aluminized steel or White Colordome chute with roof dormer and blue fiberglass skylight and chute lites.
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- Barrel of Vibra-Cor staves with full-measure hooping.
- Interior finish: 100%, Madison's own cement plaster formula.
- Hinged, creosoted wood doors, 2 ply or 1-pc. Curved Fiberglass Doors.
- Complete footing installation (Customer furnishes concrete)

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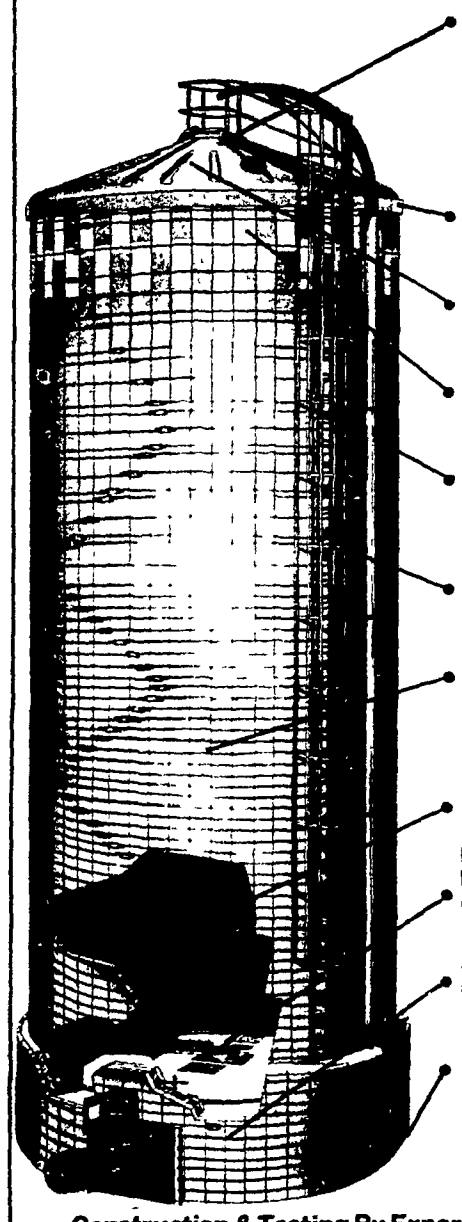
For Haylage And Ryelage



- White fiberglass roof with submarine-type hatches, precision pressure valve, safety rail and cat walk.
- Reinforced concrete collar.
- Silage distributor, installed.
- Bonus capacity, no air bags. Up to 4' extra storage.
- White vinyl filler pipe and centerfill.
- Outside ladder and safety cage.
- Barrel of Vibra-Cor staves with full-measure hooping
- Gunite inside finish, approx. ½"
- Laidig Model 98 bottom unloader, optional Model 198.
- Complete foundation base, including concrete.
- Complete footing installation including labor, rebar, misc. materials. (Customer furnishes concrete, gravel, backfill).

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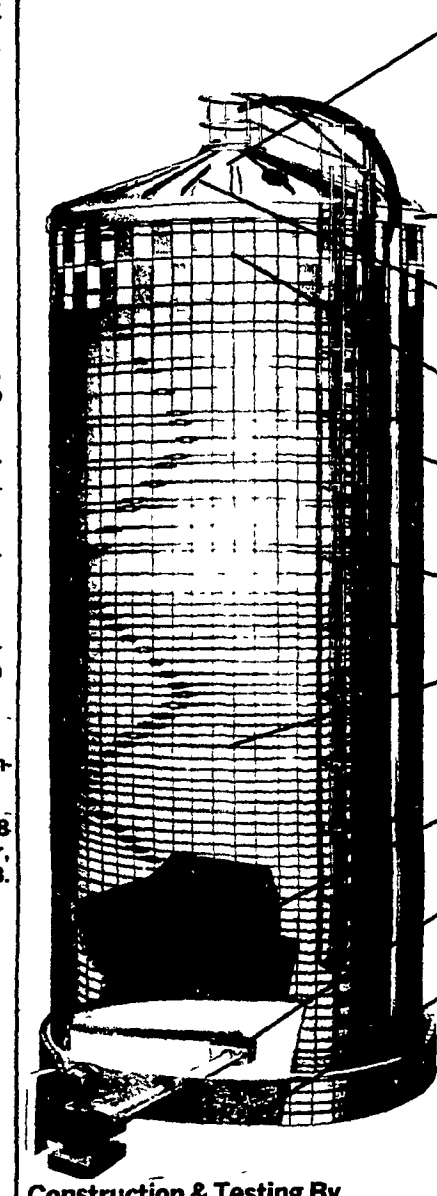

- White fiberglass roof with submarine-type hatches, precision pressure valve, safety rail and cat walk.
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- 9" Galvanized filler pipe and center fill.
- Outside ladder and safety cage.
- Barrel of Vibra-Cor, staves with full-measure hooping.
- Gunite interior finish, approx. ½"
- Laidig Model 43 bottom unloader, optional Model 143.
- Complete foundation base, including concrete.
- Complete footing installation including labor, rebar, misc. materials. (Customer furnishes concrete, gravel, backfill.)

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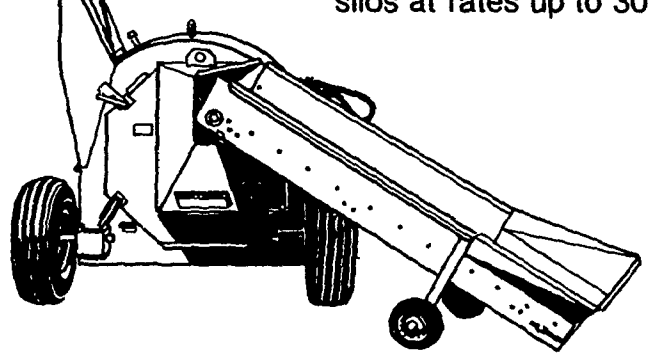

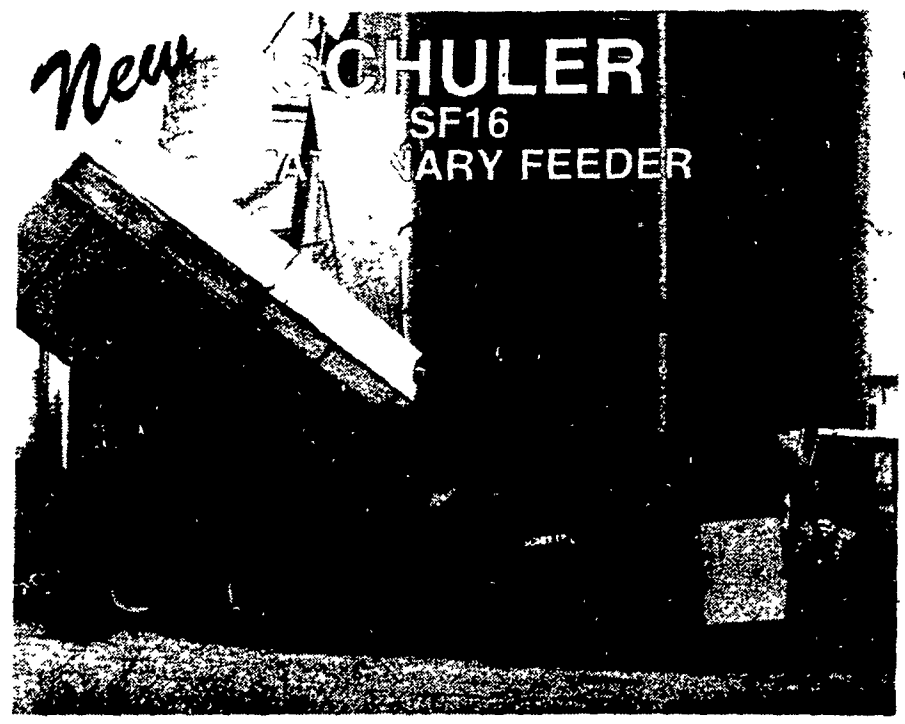

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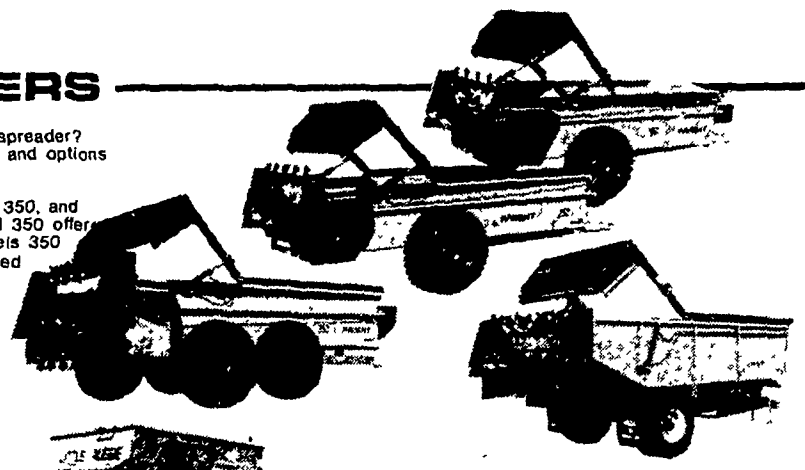

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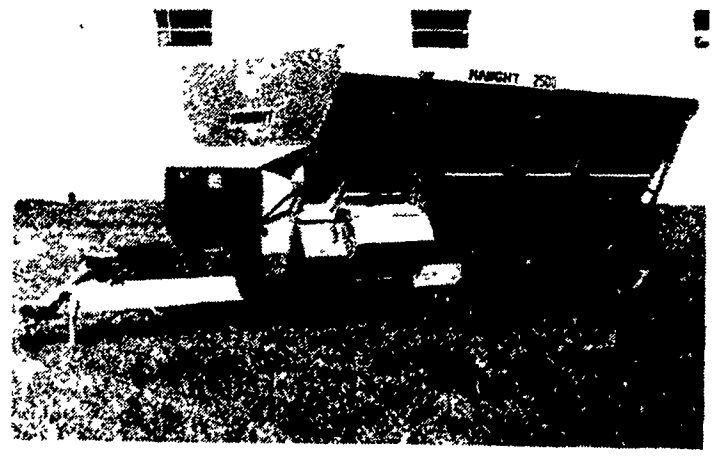

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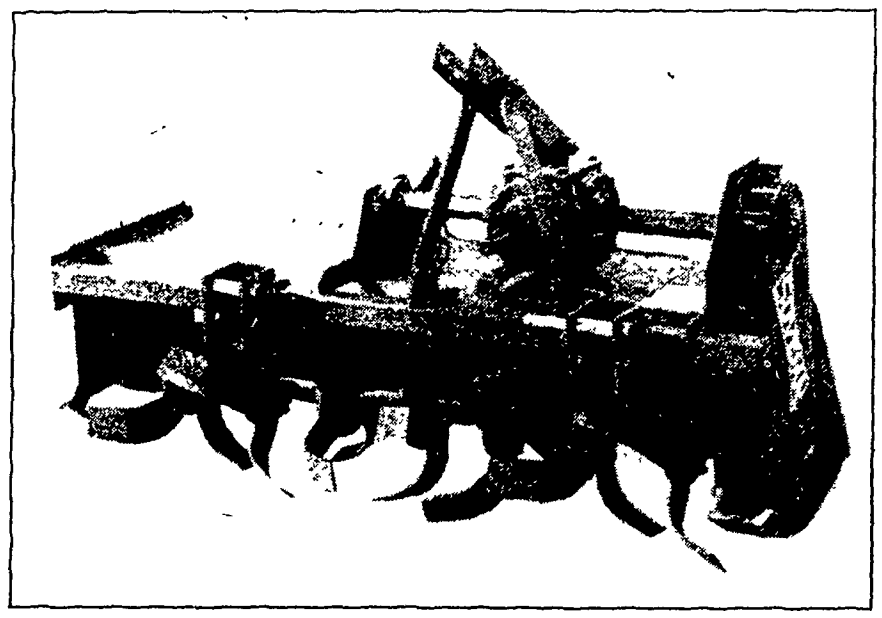

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Bezzecchi oscillating pipe spreaders ensure an even and symmetrical spread. They can be used for powder and granular fertilizer. The can also overcome problems arising from the use of semi-organic and pelleted fertilizers.

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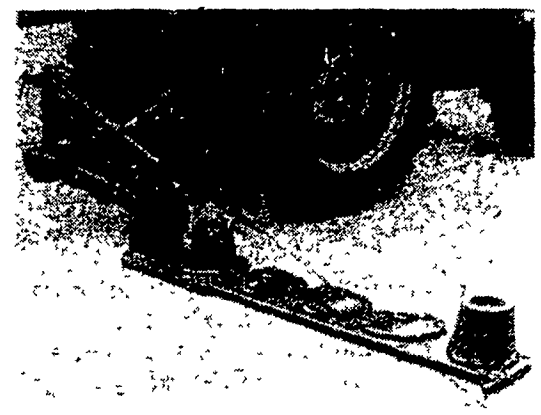

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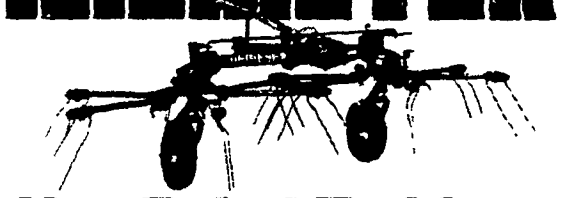

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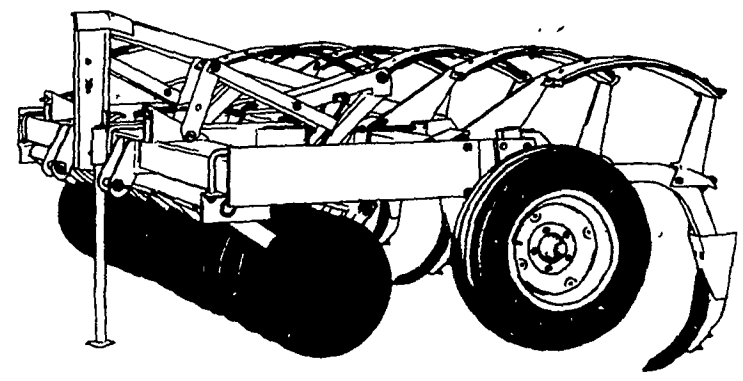

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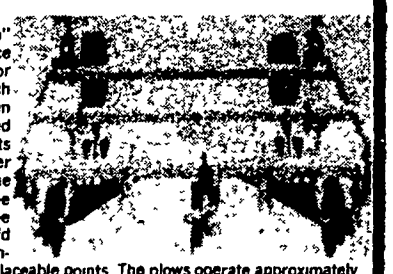

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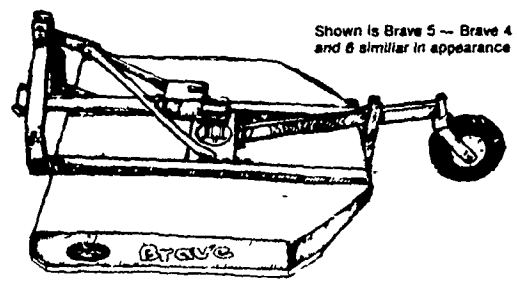
Built by the company that pioneered the economy mower.

Brave 4 Wt. 350 lbs. **Brave 5** Wt. 480 lbs. **Brave 6** Wt. 645 lbs.



Shown is Brave 5 — Brave 4 and 6 similiar in appearance

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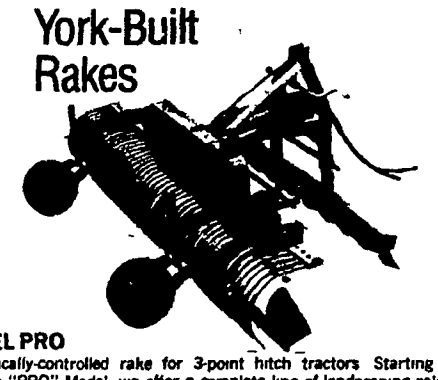
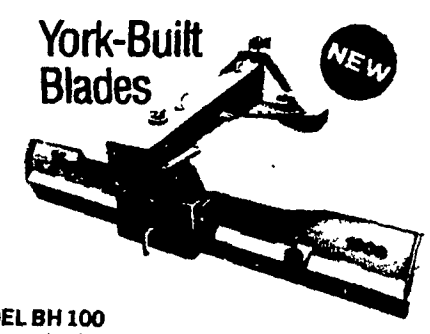
York-Built Rakes



MODEL PRO
Hydraulically-controlled rake for 3-point hitch tractors Starting with our versatile "PRO" Model, we offer a complete line of landscaping rakes. . from lawn and garden to industrial models .. to match tractor horsepower Scarifier and blade attachments on some models

York-Built Blades



MODEL BH 100
For category I and II hitches 100 drawbar H P tractors. Four models to fit 40, 55, 75 and 100 drawbar H.P. ranges Choose from a line of rugged earth-working rear blades designed for grading, ditching, leveling, terracing, backfilling and snow removal. Tilt, offset and angling positions are standard features built into models 55, 75 and 100

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MAILBOX MARKET

For Sale Sauders loader good snape snowblade and dirtscope. Ten nice young geese $8 each. Jack McGarvey, Perry Co., 717-582-4635

For Sale - JD 5' rotary cutter, Oliver radex trailer plow, grain drill, gravity box, WD AC tractor w/loader, 717-786-3618

For Sale 11 pieces 1½" x12' planks 16ft. long (green oak), Benj S Miller, Box 250, RD1, Paradise, Pa 17562.

For Sale - Anchor bolts ½' -6' -36" long, hemlock fence boards, calf hutches, used chain saws, new brush cutters., 717 442 8972.

For Sale - Used Badger barn cleaner about 195 of left hand flited chain, Berks Co., after 8 p m. 215-689-9046.

For Sale - 1000 lb Reading chain hoist $85 00, Lanc. Co, 215-484 2325

For Sale - 5 acre Farmette, new 4 BR home, 2 baths, etc. New 2 bay garage & workshop. Leb. Co., 717-866-7125

For Sale 9 Steel Dump Body $350.00., also part time hay and grain hauling, Cumber Co., 717 776 6418 after 6 p m

For Sale Ten (10) Reg and Grade Holstein Heifers Due shortly, Snyder Co, 717 837 5742.

Wanted - AKC Norwegian Elkhound, puppy or 1 yr old, female, good markings, after 8 p.m. Leb. Co., 717-867 2863.

For Sale - 1-Oliver 83H-2 Row pull type Corn Picker, Cumber Co., 717-249-1193.

For Sale Sex link chickens just started laying about 4 wks ago. Lanc. Co, 717-665-5048.

Wanted - Suzuki B100P for parts. Call 215-562-8347, Berks Co

Wanted To Buy - NH Model 890 Chopper w/2 row wide corn head. No Junk, 215-589-2406 Berks Co., before 7 a m.

For Sale 1 pr. of Black Mules broke to work anywhere 215-445 5796

For Sale - NH Super 717 harvester with 2 row narrow corn head and 1000 R.P M., Lanc Co., 717-354-7685

Wanted Bucket for JD 148 loader 72 inch Clearfield Co, 814 345 6645

For Sale - 1466 IH tractor very good cond., 3000 hrs, in use daily $12,000 717 596-2454, Bradford Co

For Sale Nine large vaccinated Hol Heifers due Sept & Oct $7,000 717 899-6893 Mc Veytown, Pa

For Sale - AKC English Springer Spaniel, good blood line 4½ mo old Will hunt this season. 717-564-4888, Dauphin Co.

For Sale Farmall M-TA Excellent cond., power steering, $1825.00 or best offer Cumber Co, 717 776-5475

For Sale - Old barn boards, up to 14" wide, Box 2" #7664 gal Dovtast staples, Ammon Esh, Lykens, Pa. 17048

For Sale - 9 yr old gelding, gentle western gaited $800. Western saddle w/blanket $95 Bridle, like new $30 Perry Co., 717 834-4834

For Sale 19/2-L260 Kubota, turf tires, used only 800 hrs, Phone after 5 p.m., 717-632-9232, Adams Co

Notice Trade trenching machine with 9 backhoe and blade, for 4 wheel drive loader on track machine Berks Co., 215 929 3777

For Sale Gehl CB 400 harvester with 2 heads, Eli W Martin, RD#1, Box 375A, New Holland, Pa 17557

For Sale IH 2 row potato digger Very good cond., used very little 301 452-5122 eves, Harford Co.

For Sale - York Landrace cross boars & gilts, PRV free herd #38, Lanc Co., 215 445-4649

Wanted NH 2 row corn head for NH 770 or 718 harvester in good cond, Lanc Co 215-445-5734

For Sale - JD 14" 3 pt., 3 btm., plows w/coverboards, depth wheel & side hill level, $300 Northd Co, 717-742-7096

For Sale - Young mixed dairy herd, mostly 1st, 2nd and 3rd calves Many due in the fall, Northumberland Co., 717 797 3751

For Sale Hammermill w/bagger-Int. belt driven Extra Screens $200 00, 1949 Chevrolet-Antique License Centre Co, 814-692-8243 after 6 p.m

For Sale Franklin Co, ABC Sired Holstein Service Bulls 532-5560

For Sale Set steel wheels to fit JD $300.00 or best offer, 2/5 gal oil tank 35.00, Lanc Co., 215-445-4802

For Sale 3 yr old Saddlebred gelding. Papec cutter knives Gideon F. Stoltzfus, RD 2, Gap along Rt. 897

For Sale - Used quart jars, also 6 old milk cans, Lanc Co, 717-442-4446.

For Sale - 12 black feeder steers, Jacob S Blank, RD#2, Narvon, Pa 17555, on Blank Road.

For Sale Nice Guernsey cow fresh 2 wks, w/first calf Isaac H. Zimmerman RD1, Linden Grove Road, New Holland, Pa

Wanted To rent a small barn in the Elizabethtown area for calves and young heifers. Lanc Co, 717-367-9295

For Sale - Hydraulic cow stable cleaner, complete w/motor and unit, 3 main gutters and 1 cross gutter, Cumb Co., 717-249-3224

For Sale Complete Frick 01' Sawmill 54' saw, 20' carriage, 4 head blocks, Minneapolis Moline gas power unit 609-358 6572, N J

Wanted Old Crawler track type tractors, JD tractors on steel wheels, Antique tractor manuals and literature Elmer, N.J 609-358-7468

For Sale - Toy Fox Terrier U.K.C Reg. Male & Rat Terrier Male., Lanc Co, 215-267 6782

Sale 19/2 Starcraft pull along camper has stove icebox and sleeps six. Asking $1,000.00, 717-865-4490 any time.

For Sale Cardinal Concrete saw $475 Hale 3' pump mud sucker w/hose $475 Ear Corn 2 ton. Berks Co, 215-582 3066

For Sale 6'x38' grain transport auger with 3 hp electric motor $600 Berks Co, 215-582-8076 eves

For Sale - 150' Starline traveling bunk feeder Lanc Co 717-665-3906

Wanted High moisture ear corn 30" rows We will harvest 717 665 3905

For Sale - French Lop Bunnies-pet & show quality, also N Z. Whites & Champagnes, York co, 717 244-9576

For Sale - JD A Tractor & 227 mounted corn picker, good cond, 801 3 pt, hitch, York Co., 717-432-3991

For Sale - 112 J.D. chuck wagon with or without running gear, Case 300 chopper, JD 237 corn picker. York Co., 717-862-3833

For Sale - Purebred Dorset ram lamb Two Dorset-cross ewe lambs (triplets). One 3 yr. old crossbred ewe York Co., 717-225-4806.

For Sale - Platform scales $100. and up Tobacco lath $10 a hundred. Lanc. Co., 717-626-5751.

For Sale - Wheat from last year certified seed Cleaned & 1 word. Tyler $6.00 bu, Lanc. Co 717-733-6642

For Sale - Model 1111 Krause Disc Harrow 13'6" cutting width, 14'6" total width 20' Discs, $1600 00 Monmouth Co, N J. 609-758-8726

Wanted Old photographs, albums, cigarbox, labels, certificates, magazines, letters, etc, Lanc. Co, 717-393-4336

For Sale Hydraulic Cider Press, one Bu cap, w/elec grinder. Two sets clothes $350.00. Lanc Co., 717-284-4741.

For Sale - 4 way cross feeder pigs buy one or all best offer, 717-284-3280

For Sale One horse buggy, made in Canada w/nameplate, exc, condition also 4-horse wagon, good shape $175 York Co, 717-637-0589

For Sale Evergreens, pyramidal arborvitae 18" 24" high-$2.75 South of New Holland on Maple Grove Rd., Lanc. Co, 717-354-0449

For Sale Blodgett commercial gas oven $3000.00. 8' refrigerated showcase, $250.00 J Elmer Lapp, RD6, Box 252, Coatesville, Pa 19320

For Sale 2 Used Shuttle Stroke barn cleaner units R.&L. w/5 H.P. motors good cond., 70 gutter paddles, Montgo. Co, 215-489-7681

Wanted - Mature person to take care of house and 6 Jersey cows-Aug. 29th til Oct. 8, Chest, Co. 215-269-0759

For Sale - Holstein heifer, freshens till Sept., also 12 hole cast iron bottom, hog feeder, Lanc. Co., 717-354-8207

Wanted - Open Center steel wheels, 58"x62" highx 16" wide also S7"x 12" or 14" wide. Lanc Co., 717-354-8238.

For Sale - 1 Liquid Zook Spreader, good-shape, 2 Heifers calves, David L Stoltzfus, Box 266, RD#2, Narvon, Pa 17555

Wanted - About 20/25 bales of good hay or alfalfa for sheep/Somebody to teach me to spin wool Chester Co, 215-383-5280

For Sale Rye $4.00 per bu Leb, Co., 717-933 4237, 717-865-5470

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Their new PD's are high for milk, PD$, and type

15H202 Elmsmith Marcus MARINER — VG
P.D. (94% rpt.) +$178 +1,705M -.16% +36F
PDT: +.66 (80% rpt.)
Mariner improves sharpness, foot angle, and corrects toe-out.

15H252 Coldsprings GANGSTER — GP
P.D. (74% rpt.) +$176 +1,504M -.07% +43F
PDT: +1.02 (61% rpt.)
Gangster improves stature, sharpness, proper leg set, corrects high pins, and rump width.

15H247 Glen-Valley First FOREMAN — VG
P.D. (70% rpt.) +$161 +1,639M -.19% +29F
PDT: +.54 (51% rpt.)
Foreman improves rear udder height and width, stature, and sharpness.

15H316 Philka Apollo Dividend GAMBLER — EX
P.D. (56% rpt.) +$154 +1,507M -.16% +30F
PDT: +1.20 (57% rpt.)
Gambler improves rear udder height and sharpness.

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MAILBOX MARKET

For Sale - IH 105 grinder-mixer, good cond., $1250, dr scratch cattle duster, new $250, Lanc. Co, 717-464-4819

For Sale - Alfalfa seeder, disc type, water wheel setup, pump included Amos J King, 3527 W. Newport Rd, Ronks, Pa

For Sale - JD 2940 MFWD, 465 hrs, JD 260 loader Patz Barn cleaner, counterclock wise. Lanc Co., 717-872-8659

For Sale - Appaloosa/Tennessee Walker gelding, 3 yrs., halter broke, $500 Nubian/Saanen buck kids, dehorned, $25 Adult Pomeranians, pets, breeders, 717-359-4374

For Sale - Half Arab 14 yr gray mare 14.1 good conformation-35" mini male donkey - Adams Co., 717-359-5804, 359-7007.

For Sale - Corn fed broilers, 50 cents lb., I clean, top buggy with hydraulic brakes good cond, Bowmansville, Lanc Co, 215-445-5420.

For Sale - JD 4020 Side Console dual hyd., good cond, $8200, York Co, 717-229-2522.

For Sale - Pair white mules ready for work. Dan F Petersheim, 102A New Holland Rd, Gordonville, Pa 17529

Must Liquidate - Suffolk & Western flock 2 rams, 24 ewes, 25 lambs 190% lambing rate last year, Adams Co, 717-624-2414

For Sale - JD #38 forage harvester good cond, knives like new $695, Lanc Co, 717-548-2559

For Sale Ford pulley small PTO $50 00 metal 3 section land roller 8' 35 00 real good. York Co, 717-235-2032

For Sale - Reg Quarter horse yearling filly, solid sorrel, excellent disposition Should mature to 15.2 Good Bloodlines. $1,000 reg., 717-244-7314

For Sale - 80 pieces used 2x6x15'6" — 3.00 per piece Red Lion, 717-244-8891

For Sale - 2 reg Holstein heifers due in Aug. dams records over 20,000 milk, Lanc Co, 717-442-4316

For Sale - D2 Caterpillar dozer diesel overhauled, Reuben B. Zook, RD1 Kinzers, Pa, Box 262, 17535, Lanc Co

For Sale - 20 sows and gilts close to farrowing, $185 Also, chinchilla equipment, cheap. Berks Co, 215-488-1337

For Sale - 4-180 White, 1200 hrs., duals, air, two 12x40 Agstar pig nurseries, two 4,000 gal fuel tanks, painted. 717-866-4280.

For Sale - 60' endless belt 7" wide $180 717-397-5317, John Glick Jr 2003 Pennwick Rd, Lanc Pa 17601

For Sale - 90 bu Tyler wheat from last yrs certified seed, $5 00 per bu, York Co, 717-637 5075

For Sale AC Belt Pulley will fit D-14, D-17, D-19, 190 XT, 200 $450 00 Also 101 Int Manure spreader Web $125 00, 717-768-8630

For Sale - 3"x2½" irrigation pump and rebuilt 20 HP Wisconsin VE4 engine on trailer $750 Loudoun Co, VA 703-882-3996

For Sale Reg bay Morgan gelding. Harford Co., 301-692-6720.

For Sale - Field ready, ex. cond, JD 14-T baler $575, JD conditioner, $300, both for $825 York Co, 717-428-1440 eve.

For Sale - New troy bilt tiller 7 horse power Kohler engine Bumper guard, market included $1,300.00, Luzerne Co, 717-788-1852.

For Sale - Bred Sows, $150 00 and up, Sows with pigs by side $200 00 and up, Pigs and other hogs. 215-877-4275, til 11 30 p m

For Sale - Meyers siphon pump 3/4 hp $40. 80' pipe cast $160. Used 2 months $40 Schuylkill Co., 215-276-1542 after 4 p m.

For Sale - Case 630 tractor, triple-range gas. JD 3x14 3 pt plow, table silage blower, NI flail chopper, 717-345-4882.

For Sale - 323 New Idea 1 row corn picker, Dauphin Co., 717-944-5029

For Sale - Egg room cooler 5400 BTU's-200 case size-good cond, 717-656-2128 Lanc. Co

For Sale - Rye seed $4.25 a bu. also, Troybuilt garden tractor (new engine), Leb Co., 717-867-2243 No Sun. calls

For Sale - Rye seed $4.25 per bu. Cumb Co., 717-486-7288.

For Sale - 18 4x38 tires used $25.00 each. 1-R corn head for 546 Fox $50 00. Souder loader brackets for I H. 574 $25.00, Leb. Co., 717-272-0041.

For Sale - 1951 Packard 4 door overdrive, 59,000 original miles no rust Best offer over $2000, Perry Co, 717-789-3943.

For Sale - NI 323 corn picker Excel cond, $2500. NI 206 manure spreader $895. Corn bin wagon $675, 717-354-0266.

For Sale - McCormick #9 mower, 2 hay tedders, 2 side rakes, 1 dump rake, JD #1 hay crimper, 201 756-5895, N J

For Sale - Pigeons, gamebirds, rabbits, ducks incubators, feeders and other supplies, 703-434 2209, we ship supplies

For Sale - NI 213 manure spreader w/hyd end gate, 717-865-4574, Leb Co

For Sale - 720 JD gas tractor good cond, belt pulley, 3 pt, hitch. Stephen S. Fisher, Lincoln Univ, R.1, Pa 19352

For Sale - AC B. 125 engine Just overhauled, Lanc. Co, Jacob B Stoltzfus, RD1, Box 63, Gap, Pa

For Sale - 4 ewes one purebred Suffolk ram, 2 yrs. old, Elam S Fisher, RD#3, Newville, Pa 17241

For Sale - 2 DeLaval vacuum pump's #75-74, Amos N Stoltzfus, Lykens, Pa 17048, Dauphin Co

Wanted - Heifers to feed for you, 70 lb or $1 00 a day, W M Stauffer, Box 255 R-1, Mt Pleasant Mills, 17853.

For Sale - Zook Manure Elevator, 32' with hyd motor, less than one year old. Juniata Co, 717-535 5247

For Sale - Sollenberger Silos Corp-Precast Concrete bunker silo 103'x21', like new Cumberland Co, 717-697-1689

For Sale - Pheasants-Golden, young and full plumage, silver, amherst impeyan, peafowl and guineas, 717-949-3401

Wanted - Farmall M or Super M, good cond, 703-635-7090 or 703-635-8068, Warren Co, Va

For Sale - Bluetick Coonhound pups 4 months old-2 females, Chest Co, 215-486-0816

For Sale Timothy seed, also JD 16x8 hoe drill, 717 386 5322 Sch Co

For Sale - Supreme batch mixer, 75 cu ft mixing capacity with Dale Electronic Scales, Berk. Co., 215-678-3723

For Sale - Male A.K.C. Rottweiler puppy. Born 7/30 order now $300.00, N Martin, East Earl RD#1, Lanc Co, Box 334.

Wanted - 1000 to 1500 gal. polyurethane tank. For Sale-6000 Tobacco lathe-10 cents each, Lanc Co., 215-445 7191

For Sale - IH Corn Binder, Excellent, Team or Tractor drawn asking $90.00. IH Cultivator, Horse Drawn, Good, $50.00. 717-542-4501, Col Co.

Notice - Save fertilizer dollars and use cage Layer Manure - we spread Northumberland Co. 717-758-9263

For Sale - Winpower PTO generator model 20/12 KW excellent cond. $500. Lanc. Co 717-354-0740

Wanted - To buy, 3 speed transmission w/overdrive for Chevy 1955 to 1964. Snyder Co. 717-374-4246 eves.

For Sale - 2 nice & friendly Billy Kids, out of good milkers $25. ea. Snyder Co. 717-837-0293.

For Sale - 13 acre farmhouse & outbuildings Sunbury R.D. ideal for children & pets or any business Union Co 717-966-1561

For Sale - Bunnies & Pigeons 215-267-2782.

For Sale - 1 load standardbred carriage horses. Elam B Stoltzfus, 3068 Irishtown Rd, Ronks, PA 17572.

For Sale - 36" Combination alum door like new, best offer Jacob Swarey, Ronks Lanc Co. Pa. North Cherry Lane Rd 17572

For Sale - English Springer Spaniel puppes, AKC reg excellent hunting bloodlines. Field trial quality, 814-349-8177 after 6 p.m. (Centre)

Wanted - Used #2 Hossfeld bender, a 2 hp single phase 1725 RPM motor, 814-349-8232 W Stone, Coburn, Pa 16832

For Sale - 60 good Suffolk ewes 2 reg rams Grantsville Md Garrett Co 301-895 5660

For Sale - Reg Suffolk ram born Feb 1980 $150 Harford Co near Churchville 301-838-4828

For Sale - Nice 17 mo old Reg. Morgan Colt large for age, driving since 4 mo. old. $800 firm 301-724-4275

For Sale - 3 pt weeder $100 3 pt. blade $100. Int. drawbar $65. 4 ply tire & rim, $75. 201-446-9493

For Sale - Late style 12' platform for JD 95 w/pick-up reel, reasonable Adams Co 717-334-2760

Notice - Chair caning done, regular & pressed in. David E Fisher, corner Belmont, 96 Quarry Rd Lancaster Pa Paradise #2 17562

Wanted - Will give $3 00 for complete Lanc New Era newspaper for Wed. October3, 1979 Lanc Co. 717-872-9283

For Sale - New Idea Super sheller, narrow row, used 3 seasons, very good cond. $5800 Montour 275-1233

For Sale - White 3-way cross boar hog proven. Israel M Beiler, Christiana R#1, Pa. Box 118 Lanc. Co 17509.

For Sale - 1936 Ford truck-1½ ton parts only, 600 Ford rear, Bucks Co., 215-788-6600

For Sale - Three Bulk Potato Bodies on Int trucks good cond, 500 Tomato boxes, 25# Schu Co, 717-648-5056

For Sale - NH S 717 Harvester w/2 Row Narrow Head w/New Knives and Shear Bar Also Hol Heifers, Clinton Co, 717-753-5226

Wanted - 16 hole Smidley hog feeders any condition. Chest Co., 215-347 2232

For Sale - Snow blower & 4' blade for Bolens Tractor 10 h.p & up. 215-932-2777, Chest. Co, call in eve.

For Sale - Fiberglass litter carrier 4-2 way switches, Levi P. Kauffman, RD#2, Box 123, Honey Brook, Pa. 19344

Wanted - Magneto to fit old cat. D-8 Bulldozer Pony motor. Also pads to fit D-8 cat track Luzerne County, 717-864-3373

For Sale - Heavy duty, dual wheel trailer w/18' double tobacco ladders mounted on it. After 6 p.m. 717-653-8587, Lanc Co

For Sale 4 strong colonies of bees w/complete hives & honey, $100 a piece Lanc Co 717-898-7849.

For Sale - Potato plow $125. Barn door track four 8' sections w/rollers & hangers $16 York Co. 717-244-0770

For Sale - Gehl SP 84 corn harvester complete or parts, also 100 hp Continental power unit excel, Chester Co 215-932-2767

For Sale - JD mounted cultivators good shape $25 Int. 5' Flail chopper works good ready to chop $400 717-292-4067.

For Sale - 2 yr. old Angus type heifer for freezer, $225 5 mo old Angus heifer $115 Chester Co. 215-593-5600

For Sale - NI #213 manure spreader, approx. 175 bu. Good cond. $1495 Lanc. Co. 717-548-2559.

For Sale - 7 pc. 4x6x25', 21.00 a pc., 12 pc 4x6x16', 11.00 a pc., Christ Stoltzfus, RD#2 Box 784 Newmanstown, Pa. 17073.

Wanted - Fresh first or second calf heifer with trade your black Angus bull from reg. stock. Schuylkill Co., 717-467-2792.

Wanted - Fine gallon fish aquarium no leaks, 717-529-2314.

Wanted - 2 Row narrow chain Fox Corn Head Unit 2310 For Sale MF 200 manure spreader, Lanc Co, 717-653 5218

For Sale 1948 Dodge four door Sedan in good cond, good blue paint motor overhauled Lanc Co, 717-665-5416

For Sale Milk tank 1000 Gal. Haverly in current operation and good cond., H Fetrow, RD#4 York Pa, York Co., 717-266-1597.

For Sale Four 2 Beater, 12 ton forage wagons exc. cond., 1957 Chev, exc., cond., 1949 All original Buick, 814-632-5781 eves

For Sale - 60 ton mixed hay, mostly loose bales $30 00 a ton or $1500 00. For all-York Co., 717-432-5543

For Sale - New Holland #6 chuck wagon & JD #6 corn chopper with corn & grass heads-Warren Co, 201-637-4036

For Sale - Sorrel Belgian stud horse white mane & tail 2 yrs. old. Enos K. Stoltzfus, RD#3 Box 437, Quarryville, Pa 17566

Wanted to Buy - 12" woodplaner or larger Seth A. Yoder, RD#1, Box 117, Reedsville, Pa 17084

For Sale - 75 Toyota long bed, single snowmobile trailer, 3 radial tires 175-14 new, & 2 Toyota wheels. York Co, 717-252-1623.

For Sale - Tojo buggy rubber tire, brakes, lights, fair to good cond 717-354-8575, Lanc Co

For Sale - 970 Case tractor, 1975 model, 22 hrs, $7200. 215-445 5796.

For Sale - 1964 JD 4020 Diesel-powershift wfe, new 18x34 tires, single hydraulic, low hours, 3 pt hook up, 814-652 2066

For Sale - 3 grade Holstein heifers. Due Sept., will deliver within 50 miles. Schuylkill Co., 717-277 6007

For Sale - Two registered Duroc boars Healthy and breeding. Large house or camp for sale, after 8.30 p.m. 717-724-7837 Tioga Co.

For Sale - MH Pony tractor w/plows-mower cult. hydraulic $975.00. Ford Model 150 Baler $200 00. 717-434-2265 Susq. Co

For Sale - Reg. nubian buck, dehorned & very gentle. Ready for fall breeding, $100 w/papers, $75. w/o papers, 215-987-6098

For Sale - 10-12 squares asbestos siding shingles, 1972 Ford F-100 8' P/up bed. Panyl working order 215-562-7457, 12-6 p m.

For Sale - 4 btm., 3 PT., 16" J.D. plow No. 1250, $1300.00, 717-589-3320.

For Sale - 800 Gehl recutter, good cond., Samuel K Stoltzfus, R D. #1 Box 125, Kirkwood, Pa. 17536.

Wanted - Help to fill silo on Amish Farm, apply Michael R. Stoltzfus, Cambridge Rd., R.D #2 Narvon, Pa., 17555.

For Sale - 24-14'x61½" half lower window shutters $2 each. Daniel U. Stoltzfus, 14500 Creek Road, Willow Hill, Pa. 17271

For Sale - Gravely w/mower, etc., Oak tables, L R. Chair, 2 Cup boards, 215-869-2665

Wanted - Potatoe digger web-or good potatoe diger-single row Lanc. Co. 717-786-3643.

For Sale - 1200 bushel round wire corn crib. Exc. cond, w/spreader. Will have Reg., grade jerseys for sale, 215-756-6690.

For Sale - Used horse collars-good cond., all kinds and sizes. Christ E. Fisher, Box 162, R1 Paradise Pa. 17562.

For Sale - Nice saddlebred buggy horse smooth mouthed, open carriage, good cond., Jacob E. Smucker, 102 Glen Brook Road, Leola, Pa. 17540.

For Sale - 3 yr. old reg Alpine buck. Gentle, ready for your breeding does. Gaymor-Amor lines $85. 215-944-7333 Berks Co.

For Sale - 20 Veal calf pens, chains, buckets, half hot dipped metal floors Used 4 months Mixer. Bucks Co., 215 795-2628

Wanted - By Collector Old Metal Toys, old childrens photographs, old valentines, salesman samples, dolls. Chester Co, 215-696-1314 eves.

For Sale - 250 Gallon stainless steel bulk tank $250 Irrigation pump (3") with Wisconsin Motor $300. 717-658-3516 Snyder Co.

For Sale - Hale irrigation pump 540 pto $1200.00. Also 600' of 3" fire hose in 100' sections, 50 cents/ft. Neal Hoover, R.D 1 Bx. 279, Mt Pleasant Mills, Pa 717-539-2711.

For Sale - High Moisture Barley, can mix with corn Will deliver Berks Co., 215-562-4133

For Sale - Ford 8N Tractor Good tires, York Co., $1495 00. 717-432-5409 after 5 P.M

For Sale - 6" deepwell irrg. pump with chry. industrial motor 500'-6" & 600'-5" pipes with Sprinklers Wanted - 300' 3" ft. yard fence. 717-933-4333.

For Sale - Rebuilt 4 cylinder Wisconsin engine. 717-374-8965 after 6 p.m.

For Sale - Massey Harris #82 Combine with cab, 10' grain head, & MF #22 corn head $1,500.00/trade for farm tractor 717-766-6758.

For Sale - 323 NI corn picker with or WO 4 cyl. Wis engine, Ammon P Stoltzfus, RD1 Box 227, Newburg, Pa. 17240

Wanted - To Lease operating dairy farm 301-521-5495.

For Sale - Pigeons for sale 717-529-2516

For Sale - Barley & Rye Oliver 348 SAR plow 3-18" will trade for 4-16" or 4-18" SAR plow. Lanc Co., 717-653-8703

For Sale - Auditorium chairs, $6 each over 50, $5 each cushioned seat, maple backs 717-278-3405 or 278-3554 Susq Co

For Sale Oliver Horse drawn manure spreader-Real good cond, $450 00 can deliver Susq Co, 717-663-2540.

Wanted - Electric drinking fountain for cows. 717 753-3619, Clinton Co.

Wanted - Good used wood stove. Please state what kind and price, Daniel M Beiler, 624 Willow Rd., Lanc Pa, 17601

For Sale - 1917 Model T Touring car Partially restored. Original bill of sale. Best offer over $5,000. New Castle Co., 302-998-9461.

For Sale - Farmall A with Vacuum lift and Cultivators, one bottom plow. Good Cond., Asking $1200.00 (609) 737-3543, Mercer, N.J.

Wanted - Bedding keeper for cowstable. Eli K. Blank, R.D 1, Box 57, Gap, Pa., 17527, Lanc. Co.

For Sale - New mobile home wood stove w/chimney U.L. approved paid 600, asking $300.00, Juniata Co., 717-436-6832

For Sale - Two exhaust fans with lowers, also 4'x8 ft asbestos sheeting Jonas E Esh, 534 Willow Road, Lancaster, Pa. 17601.

For Sale - Cauliflower, broccoli plants-Caleb Stauffer, Park View Hgts., Rd., R D. #2 Ephrata, Pa. 17522.

For Sale - Lambs, black and white available $45 each. Adams Cty (717) 528-8555.

For Rent - 6 room farmhouse with truck patch. For Sale - lots perked/probed close to Wrightsville interchange, 717-252-2938.

For Sale - JD 16" 2 BTM., 3 pt. Plow, Lime Spreader, 6' Rotary Mower 3 Pt., 10' Hollow. 717-788-1891, Luzerne Co

For Sale - Irrigation pump 4x4 industrial engine gdex sprinklers #30's-#80's Condensing unit water cooled 5 hp open Franklin Co, 717-328 3407

For Sale - Purebred Charolais bull 8 mo, old ready for service weighing around 800 lb., Make excellent herd bull., 717-234-3977.

Wanted - 7' Cutter bar for N.H. 450 or 455 mower also wanted 60 lb. Delaval milker bucket, 483-6996. Call collect.

For Sale - JD Model 30 Combine, good cond., low average. $350. 215-346-7340

For Sale - 1 M & 1 F toy terriers, 8 wk. old., Tri colored, mother is excellent rather purebred-no papers. Lanc., Co., 717-665-5407.

For Sale - Excel., Timothy and Clover Hay, $1.75 and $2.00 per bale. Free delivery to State College, Martinsburg, or Bedford Area, 814-344-6637

For Sale - 7500 Pullets Aug, 25-83, 717-626-8257.

For Sale - 25x35 Barn to be torn down 717-698-6209, Wayne Co.

For Sale - Doberman Pincher pups AKC registered big boned, males, shots, wormed. Ready to go, Call 627-0847 after 5.00, $150 neg.

For Sale - 3 Sta-Rite Agway 60 lb. bucket milkers 1 extra 60 lb. pail $750 00 Jonas E. Zook, RD3, Quarryville, Pa. 17566

Wanted - 2 or 3 bottom disc plow. Call day between 10 A.M. to 5 P.M. 717-397-4561, evening 6.00 on till late 717-569-1470.

Farm Help Wanted - Must be experienced in milking & general farm work. House available 301-795-9375.

For Sale - 73 Int. 1600 C & C Truck $2495. Also 2150 Oliver Tractor lots of power for $9500, 717-483-6656, Huntingdon Co.

For Sale - 1976 Massey Ferguson 750 Combine. Cab, heat, air, hydrostatic. Buy with or without heads Berks Co., 215-944-7453.

Sale or Trade - Case 600 Crawler Loader running condition $1,600.00, Old Case Tractor on Steel $350.00, Chester Co., (215)-942-2412.

For Sale - NCR cash register with changer, 12 H.P. Garden Tractor, 1982 Ford pickup, J.D. Garden Tractor blade. 717-442-4279.

Wanted - 200 or 300 gal. direct expansion bulk tank & unit Also electric meat slicers. John L. Stoltzfus, Box 125, Cochranville, Pa, 19330.

Wanted - Marine steam engine with reverse approx 3¼ x 6 x 5 compound type, vertical fire tube boiler 75 sq. ft. heating surface 215-GL9-3382.

For Sale - 1976 AMC pacer. 6 cyl., 3 sp., 61,000 miles, runs good, A-title $1200. Northampton Co., 215-767-9039.

For Sale - Seed rye, also 2 large gray Percheron Geldings, broke the best. Adams Co., 717-334-4658.

For Sale - Waukesha Gasoline Power Unit 100 HP with clutch, new value job very good condition. $850.00. Cal Co, Md., 301-535-0315.

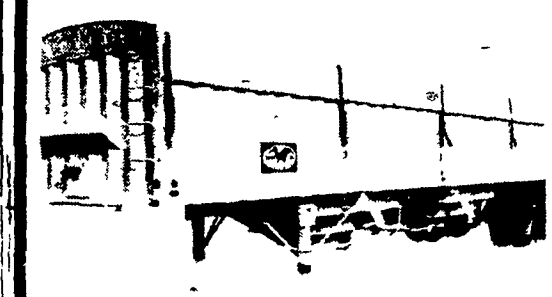
For Sale - 1972 LN 900 Ford Tractor with Tandem Axle Log Trailer, Ready to work, $3600 for both. Warren Co, 201-362-9521

For Sale - 60 H P. Tractor, AC D-17 Series IV, W.F., Dual Remote, Diesel, Kelly 500 Loader. $4,500. Carroll Co., 301-848-3130.

TRUCKS & TRAILERS

TRUCKS & TRAILERS

HAWKEYE EAGLE
Hopper Bottom



All welded for strength and long life
Steel or aluminum in stock
No weight per cu. ft. limitations
Handle grain, fertilizer, sand, coal.
Talk to a Hawkeye Owner

Plainview Farms
Ron Wessel
RD 1 Box 45
Worton, MD 21678
301-778-1065

TRUCKS & TRAILERS

'69 GMC 10 wheeler, good cond., $3500, 717-532-9271.

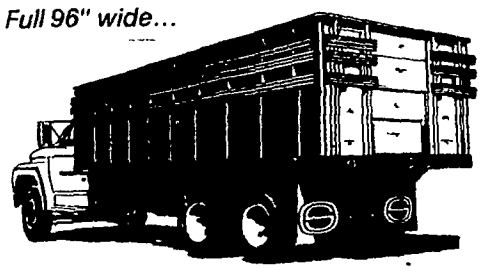
18' livestock trailer, 1976, clean, $1550. 717-225-1608 or 225-3860.

TRUCKS & TRAILERS

1970 IHC 1800, with 24 Jerry Dan Roll back, very clean, low mileage, $9975. 1974 GMC Tandem 24' Jerry Dan Roll Back, lift Axle, Air Brakes, $10,500. Others. Army 6x6 Take 16' Body, Winch $4500. 814-793-2829 Curry Supply.

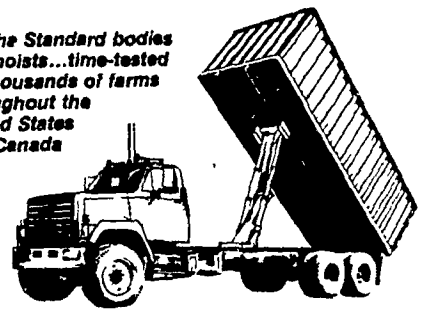
Grain & Livestock Bodies

Full 96" wide...



- One-piece roll formed steel sides with built-in tarp rail Available in 28", 40" and 52" extra capacity heights All with maximum corrugation for maximum strength
- 40", 48" and 54" hardwood sides available.. the truck body Omaha Standard built its reputation on.
- Maximum legal width of 96" means more payload
- The toughest platform in the business — laminated wood, smooth steel, treadplate or steel over wood
- Easy-conversion fold down stock racks
- A full line of rugged gates — engineered to make your job easier
- Twelve conversion hoist models — scissors or stabilized "Olympic" telescopic.
- Also available· Omaha Standard stakeless steel grain bodies, aluminum grain bodies and grain pup trailers.

Omaha Standard bodies and hoists...time-tested on thousands of farms throughout the United States and Canada



FARMERSVILLE EQUIPMENT INC.

RD 4, East Farmersville Road
Ephrata, PA 17522
Located in the Village of Farmersville, Lancaster County
717-354-4271

Omaha Standard

TRUCKS & TRAILERS

1978 Chevy C65 series, 26' Jerrdan rollback, 412-587-3876 8-5.

For Sale - 25' Gooseneck livestock trailer, 3 axle, $2400. 201-859-2616.

1979 International 1854 S model 466 diesel, 5&2 speed, PS, long wheel base. 1973 International 1800, 392 V8, 5&2 speed, PS, 10:00x20 tires, 16' all steel flat bed dump w/twin cylinder hoist. 301-877-9889.

1970 IH 1800 truck w/14' grain body and hoist, excellent condition; 1973 Chevy w/22' Jer-Dan body, excellent condition; 1971 Ford LN 8000, w/Schwartz 26' rollback body, 5 speed trans., 2 speed rear, Cat diesel engine; 1980 Chevy tandem w/26' Jer-Dan rollback, like new. D&R Equipment, Inc. 201-782-5082.

For Sale - 1929 Model A Ford pickup, excellent condition, less than 70,000 original miles. Phone evenings and weekends 814-267-3778.

For Sale - 16' steel dump bed w/3 stage hoist. 703-852-3588.

1968 Int. 1890 with 14' body and hoist and blower. 717-354-0301.

1970 truck, 26,000 gross w/feed blower, good condition; used scales, good condition, weighs up to 10,000 lbs.; 3 large overhead doors, one good condition, other two fair. 215-593-5149.

Storage trailers for rent, moved to your site, 301-771-4529.

1971 Kenworth tractor, cab over, twin screw, no miles on majored 318, no miles on rebuilt 13 spd., good tires, real nice unit, repainted, no rust or dents, $7995. Philipsburg, NJ 201-454-8259.

John Blue fertilizer spreader truck with Ford cab, 6x6 running gears, excellent condition. 717-755-0313 or 717-684-0783.

'82 Chev. C-30 pickup, 4WD, 6.2 diesel, auto., ps, pb, power windows, radio, dual rear wheels, 6600 miles. New Holland Ford 717-354-4901.

1980 Int. DT466 23' long cattle truck, 35000 GVW, alum. cattle box, double deck. 717-665-4935.

'75 Chev. C-30 w/Eby 10' alum. grain body w/hoist, double gates, 350 engine, 4 spd., ps, pb, radio, dual rear wheels. New Holland Ford 717-354-4901.

1969 Dodge 700 grain truck with dump bed, 16' grain body, 717-582-4660.

TRUCKS & TRAILERS

For Sale - 1968 C8000, Ford, Cummins Diesel, 5 speed and 2 speed with 24' Super 10 Grove roll back, reasonable price, phone eves. 717-568-7271.

'72 Dodge 3/4 ton pickup, 318, 4 speed, has some rust, a good work truck, $795, 215-267-7333.

1974 IH CAB OVER 4070A, 13 SPEED TRANSMISSION, 318 DETROIT DIESEL, PS, SLIDING 5th WHEEL, GOOD RADIAL TIRES
215-286-9510

TRUCKS & TRAILERS

1970 Dodge 1000, 36,000 lbs. gross weight, 14' dump body, 10x20 tires, 5 spd. plus 2 spd., V8 gas, new engine. 717-738-1875 or 717-859-3348.

For Sale - '81 VW Rabbit pick up diesel, 30,000 miles, 4 cylinder, 4 speed with cap, $4695, 215-267-7333.

1975 IH Loadstar 1600. 16' Wooden Cattle Body. 1 Owner, 50,000 Miles, Excellent condition.
717-626-7509
717-627-1144

*1984 Ram Charger, 4x4, In Stock Ready For Delivery
*1984 Short Bed, 4x4, pick-up
*2-1980 Colts, auto. and 4 speed Special price
*1982 TC3, 2 door, 1 owner, special price
*2 - 1981 Omni, stick & automatic
*1981 B-350 Van, 9000 GVW

PETTICOFFER DODGE, INC.
Route 230 East Next to Shopping Center
Elizabethtown, PA
PHONE 717-367-1808

PICK-UPS

1981 Ford F250 Custom, 300 6-Cyl., 3 Speed, PS, PB, 21,000 Miles $6995
1981 GMC Sierra 305, V8, Auto., PS, PB, AM-FM, Chrome Rails, 2 Tone Red & White $7495
1981 Ford F100 Custom, 300 6-Cyl., 3 Spd. with Overdrive, PS, AM Radio $6995
1980 Chevy Blazer, 2 WD, 6 Cyl., Auto., PS, PB, Air Cond., AM-FM & tape, All Black, 29,000 Miles $7995
1980 Ford F100 Ranger XLT, Short Bed Step Side, 302 V8, Auto., PS, PB, AM-FM Stereo, 2 Tone Paint $7495
1979 Datsun, 4 Cyl., 4 Speed, AM-FM, 30,000 Miles $4695
1979 Ford F150 Custom, 300 6 Cyl., Auto., PS, PB, AM Radio $5795
1979 Ford F100, 302 V8, Standard Shift, PS, PB $4995
1979 Plymouth Arrow Sport, 4 Cyl., Auto., AM-FM Aluminum Cap $4895
1978 Dodge D100 Short Bed, 6 Cyl., 4 Spd. Overdrive, AM-FM & Cassette $4295
1970 International 1/2 Ton, V8, 3 Spd., AM Radio $1095

UTILITY BODY

1980 Chevy C30 with High Utility Body Covered, 350 V8, Auto., PS, PB, Air Cond., AM Radio, Dual Tanks, 40,000 Miles $8995
1980 Chevy C30, Dual Wheel, with Morreysville 10' Utility Body, 454 V8, 4 Spd., PS, PB, Dual Tanks, 10,000 GVW $8995

VANS

1981 Ford 15 Pass. Super Van, 351 V8, Auto., PS, PB, Front & Rear Air Cond. & Heat, AM-FM Stereo, 32,000 Miles $10,500
1979 Dodge B200 Panel Van, 318 V8, Auto, PS, PB, AM Radio $5495
1972 Chevy Camper Van, with Pop Top, Stove, Refrig., Sink, Air Cond $3495

DUMP TRUCK

1975 Chevy C65 8 Ft. Dump, with commercial size plow, 427 V8, 5 Speed, 2 Speed Rear, 10x20 Tires, 28,000 GVW $8995

4 WHEEL DRIVES

1983 Ford F150 Explorer, 302 V8, Auto., PS, PB, Lockout Hubs, 2 Tone Paint, Like New, 4,000 Miles $12,900
1980 Suburban ¾ Ton, 350 V8, Auto., PS, PB, AM Radio, Lockout Hubs $8495
1980 Chevy Scottsdale C10, 350 V8, Auto., PS, PB, Air Cond., Lockout Hubs, 2 Tone Red & Maroon $8495
1979 Dodge Ram Charger, 318, V8, Auto., PS, PB $6995
1979 Chevy Short Bed, Step Side, 350 V8, 4 Speed, PS, PB, Air Cond., AM-FM Stereo, All Black $8495
1979 Chevy Blazer, 350 V8, Auto., PS, PB, AM-FM & Cassette, 37,000 Miles, Black $8995
1978 Chevy Short Bed Scottsdale, Step Side, 350 V8, Auto., PS, PB, AM Radio, Dual Gas Tanks, 39,000 Miles $7995
1978 Ford Bronco, 351 V8, Auto., PS, PB, AM-FM, Chrome Brush Guard, Sliding Side Windows, Privacy Glass, 2 Tone Blue & White $8195
1978 Ford F250 Crew Cab, 351 V8, Auto., PS, PB, AM Radio, Lockout Hubs, Toneau Cover, 48,000 Miles $7995
1977 Ford F150, 6 Cyl., 4 Speed, PS, PB, AM Radio, 37,000 Miles $6995
1972 Chevy Suburban, 350 V8, Auto., PS, PB, Dual Air Cond., Runs Great! $2995

SUBURBANS

1980 Suburban 4-Wheel-Drive ¾ Ton, 350 V8, Auto., PS, PB, AM Radio, Lockout Hubs $8495

STAKE BODY

1978 F350 12' Stake, Dual Wheel, 10,000 GVW, 351 V8, 4 Speed, PS, PB, Rebuilt Motor, New Clutch & Pressure Plate $6995
1973 GMC 500 Stake Body, 350 V8, New Short Block, 4 Spds., PS, 18,500 GVW, 12' Body $3995

MIKE RHODES & CO.
"THE TRUCK PEOPLE"
Rt. 663 & Swamp Pike, Gilbertsville, Pa.

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WE ARE NOW AUTHORIZED OLDSMOBILE DEALERS!

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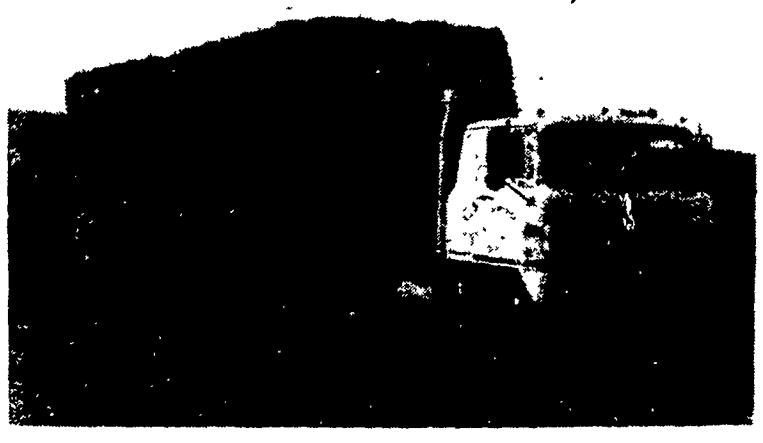
HAY HAULING TRACTOR TRAILER BEST OFFER



International single axle, sleeper cab, 238 Det eng., 10 spd. trans; trailer specially built to haul hay; equip. in excellent condition.

Call
Days - 804-296-0600 A.S.
Eves. - 804-295-3792 between 7 & 9 PM

Wanted - Trucks and Storage trailers. We also buy trucks for parts and truck parts, motors, trans. and rears. Gas or diesel. Berks Co. 215-944-9871.

5 ton army truck dump, tandem all wheel drive, 11.00x20 tires, 5 speed trans., hi-lo range, $4600, 609-769-3183.

For Sale - 9', 10', 14' & 20' wooden livestock bodies. 20' Morgan van body. 20' van body. M.H. Eby, Inc., Blue Ball 717-354-4971.

For Sale - Used combine trailer, some with expandable sides to 12 ft. and power tail gate at a fraction of a new cost. Will do some bordering if needbe. 814-623-9696.

For Sale - IH 2000D grain truck, 600 bu. cap. Air tag axle, 22 ton hoist, good cond., Warren Co., NJ 201-753-5313.

For Sale - 1964 Chevy van-type body w/Ripco air system. Oxford Grain and Hay Co. 215-932-8521.

Trucks are what we're all about.

1980 Dodge ¾ Ton Pickup, V8, 4 Speed, 10,000 Miles
1977 Jeep CJ5, V8, 3 Speed, AM-FM, Myers Plow
1973 Ford LN700, V8, 5 Speed, Cab & Chassis

Triangle GMC Trucks Inc.
1465 Manheim Pk.
Lancaster, PA
(717) 299-6630
(Across from rear entrance to Park City)

TRUCKS & TRAILERS

For Sale - 1970 International truck, 1710B, 20' bed, 20 ton hoist, 5 speed, 2 speed, $10,900. 301-346-7421.

TRUCKS & TRAILERS

International 34,000 lbs. rears with Hendrickson suspension 7-11 ratio, $500, Clearfield Co., 814-583-5332.

CLEARANCE SALE!!
Used Trucks

1971 Chevrolet 60 Series with 14' Steel Grain Bin..... $2,500
1973 Int. 1700 Series w/16' Dump Body, Ideal Grain Truck $3,500
1969 GMC w/14' Steel Dump Body..... $2,000

Bodies (Less Trucks)

16' Sprout Waldron Feed Tank, Air Unload System..... $4,500
16' Sprout Waldron Pressure Tank, Ideal For Grain Handling and Free-Flowing Materials..... $2,000
18' Sprout Waldron Feed Body w/Vac. Drawback System, A-1 Cond..... $11,500
12' Clark Feed Tank w/Drawback & Air Unload System..... $4,000

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1248 E. Newport Road, Lititz, PA 17543
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REAL ESTATE

For Sale in Tioga County, Mansfield, Pa. House with 12 plus acres of land, woods, pond, orchard, much more. 717-662-3381.

FRANKLIN CO. FARMS
180 ac. dairy; 97 ac. dairy; 150 ac. beef or dairy; 125 ac. general; 30 ac. farmette. Koons Real Estate Inc. 717-597-8300.

160 ac. dairy, 120 tillable, 42 cow barn, outbuiding, $125,500. FREE LISTS. ERA-Homestead Realty, 30 Canton St., Troy, PA 16947. 717-297-4155.

Dairy Farm For Rent- 40 stanchions, pipeline and bulk tank, 110 ac. cropland and pasture, 3 or 4 bedroom remodeled house, Christian and conservation family desired. RD 2, Clearville, PA, Bedford Co. 814-652-5070.

Finger Lakes Region, NY State, Yates Co. Dairy or cash crop farm, 260 tillable acres, good corn or alfalfa land, slightly rolling to level, dairy barn with comfort stalls, pipeline milker, 2 silos, heifer barn with silo, Butler mach. shed, good 10 room house, buildings in good repair. 716-554-3487.

For sale by owner - Central PA farm, 200 acres with 3 Harvestore silos, 2 feed lots, 2 homes, 2 large barns, other storage buildings, 3 streams, $275,000. Will consider sale of smaller acreage. 717-758-2255 or 758-2254.

TRUCKS & TRAILERS

REAL ESTATE

Farmette for sale - 4½± scenic acres w/attractive spacious 2 story secluded country home. Historic PA farmhouse would be antique lover's dream. Hardwood floors, spacious rooms, full basement, and attached apt. has private entrance. 2 story 30x60 barn w/stalls and garage. 2 ac. pasture w/good springs. Low 30's. Tioga Co. Call Clyde Flack 717-549-5882 evenings for info.

Sale of a farm by the United States Government by Sealed Bid: This 20 acre farm tract has a beautiful colonial farm house and various out buildings including a bank barn that has been remodeled to fatten hogs. This property is within walking distance to Muddy Run Reservior. This nicely secluded tract is very desirable.
Bid Deposit: Bid must be accompanied by cash (sent at bidders risk), certified check, cashier's check, postal money order or personal check, payable to the TREASURER OF THE UNITED STATES FOR AT LEAST 5% of the total bid.
Rates and Terms: Cash or terms not less than 5% down-payment with the remain balance amortized over a period not to exceed 20 years at 10 3/4% interest to qualified buyers and subject to market conditions.
Terms of the Sale: Sealed bids are invited and will be accepted until 9:30 AM EDST September 16, 1983 at the Farmers Home Administration Lancaster County office. Sealed bids will be opened publicly in the FmHA county office at 10:00 AM on the same date. The Government reserves the right to reject any or all bids. This farm will be sold without regard to race, color, religion, sex, age, national origin or marital status. For appointment to inspect property or further information and bid forms please contact the Farmers Home Administration at 1383 Arcadia Road, Lancaster, PA 17601 (717) 393-4760.

90 acre farm w/beautiful 9 room house, large barn and other outbuildings, good fertile level land. Elmer Drum, RD 1, Box 171, Montgomery, PA 17752.

Lebanon County versatile 158 acre farm, presently set up for 400 hogs and 48,000 chickens. Four bedroom brick home. 50x80 barn, 40x400 building fully automaticed (eggs), 100 acres tillable. $544,000. Brownstone Real Estate 717-533-6222, Jeanne Licata 717-838-4979.

NEW YORK: Genesee County - dairy farm; 240 tillable acres, 5 barns, 22 stall milking parlor, 140 free stalls, 4 silos, excellent water supply. 4 bdrm. farm home. 112A Century 21 Four Seasons, Penn Yan, 315-536-7456.

Hunting lodge with all modern conveniences. Located in Juniata Co. PA. Call 717-436-8767.

Huntingdon PA area farm - 180 acres. Remodeled house, buildings, H/W heat, stream, spring water, 20 minutes from Raystown Lake, 814-448-3752.

Farm for sale to settle estate, Blair Co. 175 acres, 150 tillable. Bids will be accepted until 5 PM, Sept. 15, 1983. The owners reserve the right to accept or reject any or all bids. Can be seen by appointment. Keller Evans, executor for Harold Evans estate, RD 1 Box 131A, Williamsburg, PA 16693 814-832-2525.

80 acre Kentucky farm. 20 acres clear, established hay. Balance marketable timber. Springs, creek, well, fruit trees, lg. barn, repairable cabin. 2400 lb. tobacco base. Low taxes. $41,500. Info., photos: Michael Campanelli, RD 3 Box 301A, Kutztown, PA 19530 215-683-8075.

REAL ESTATE

Wanted - Dairy farm to rent this fall or early spring. Mark Siegrist, Fredericksburg, Pa. 17026 Call 717-865-5930.

Trade modern large 3 bedroom 2 bath home, Citrus County Florida, for your farm. Write Box 366 J-283, c/o Lancaster Farming, Lititz, Pa. 17543.

4 acres land, exc. bank barn, slate roof, well, 200 AMP service, bass pond, perk approved, fronts on two state roads, $44,500. C.A. Lower Farms 215-767-3133.

Beef or horse farm, barn, slaughter house, approx. 20 acres pasture with stream, 45 tillable, beautiful ranch home, 3 bedrooms, 1 and ½ baths, full basement, 2 car garage, location south of Wellsboro, owner will partially finance 717-724-7466.

For Sale by owner - Beautiful remodeled 4 bedroom farm house, custom oak kitchen, wall to wall carpet, dining room, living room and TV room w/fireplace, large garage in basement, oil baseboard heat and wood stove, beautiful view on 8½ acres, outbuildings include 2 large poultry houses 30x120 two story that could be used for other purposes also, must see to appreciate, reduced for quick sale. 717-582-2352. 717-582-2358 Perry County.

3 acres of ground for sale, about ¼ mile from town limits. 302-284-9327.

FREE CATALOG! Describing numerous Pennsylvania farms, camps, acreage tracts, cottages, homes and businesses. Write Dept. LF, WES REAL ESTATE AGENCY INC., 5528 William Flynn Highway, Gibsonia, PA 15044.

Lebanon County versatile 158 acre farm, presently set up for 400 hogs and 48,000 chickens. Four bedroom brick home, 50x80 barn, 40x400 building fully automaticed (eggs), 100 acres tillable. $544,000. Brownstone Real Estate 717-533-6222, Jeanne Licata 717-838-4979.

Log cabin located in the mountains of Central Pennsylvania, excellent hunting and fishing available, located 3 miles northwest of Belleville, off Rt. 305 near Greenwood State Park. Two parcels of land included. One tract being of the dimensions of 75' x 101'. The other being 300' x 124'. Water available on property. Bids being accepted immediately. Mail bids and inquiry to Archie D. Stuck, 127 E. Main St., Belleville, PA 17004. Bids must be postmarked no later than Aug. 8, 1983. The owner reserves the right to reject any or all bids.

We are desiring a dairy farm to rent in Franklin County. Phone 301-797-6460.

For Sale : one acre of land w/1977 12x60 Liberty mobile home on a 30x6 basement, 2½ miles outside of Middleburg, PA, in nice country location, $27,900. 717-837-2395.

ATTENTION HUNTERS!
Hunting land for sale. Excellent for deer, fox, crow, and raccoon, etc. Hunting camp included. Approx. 80 acres located in northern Schuylkill Co. Access from US 80-81. Reason for selling-heavy wildlife damage. For details call 717-889-3622 after 7 PM.

10 Acres + Snyder County
near Beaver Springs. Several 10 acres m/l parcels, some wooded, some w/stream. Huge state lake being constructed in the area. Trout fishing and deer hunting in the area. Owner will finance with 20% down, 10 yrs., monthly payments per $1000 is $14.35, 5 yr recall on loan. Discounts for cash. Starting at $12,900. Call Mel Hurst at 717-569-5449.

AVIS TRUCKS

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1116 Roosevelt Ave. (717)848-6400
LANCASTER, PA.
1710 Rohrerstown Road (717) 569-2648

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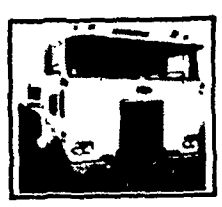
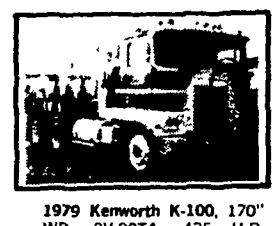
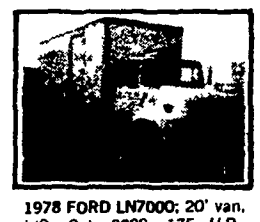
TRACTORS



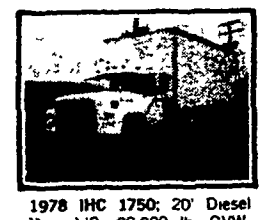
(3) 1978 Peterbilts 352586, T/A/D/S, 148" W B, NEW SILVER 8V92TT Eng w/Warranty 9 Spd, P/S, A/C, AM/FM



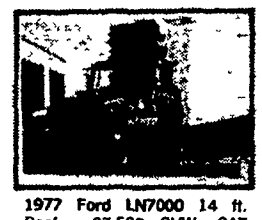
1979 Kenworth K-100, 170" WB 8V 92TA, 435 H P Detroit Eng, 14 Speed Spicer Trans, A/C, P/S AM/FM Radio, 10 00x22 Tires



1978 FORD LN7000; 20' van, L/G, Cat 3208, 175 H P, Clark 397V 5 speed, 2 spd rear, P/S, A/C, NEW PAINT.

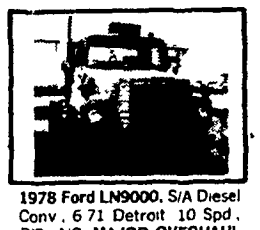


1978 IHC 1750; 20' Diesel Van; L/G, 28,000 lb GVW, DT-466 Eng, 5 Speed Trans, 2 Spd Rear, P/S, NEW PAINT! Trans. Overhauled.

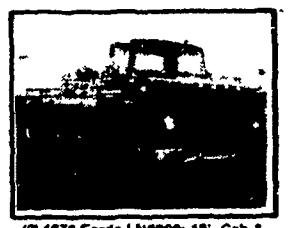


1977 Ford LN7000 14 ft. Reefer, 27,500 GVW, CAT 3208, 175 H P, Clark 397V, 5 spd, 2 spd Rear; P/S, 14 ft. Duralite Body NEW PAINT.

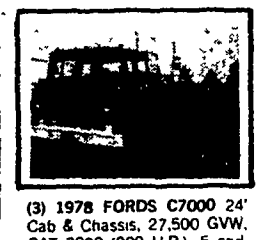
1979 FREIGHTLINER FLT 8664T, 160" W B 400 Cummins @ 2100 RPM, RT012513, 13 speed, A/C, AM/FM stereo, loaded REDUCED



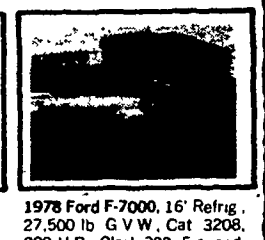
1978 Ford LN9000, S/A Diesel Conv, 6 71 Detroit 10 Spd, P/S, A/C, MAJOR OVERHAUL JUST COMPLETED, NEW PAINT



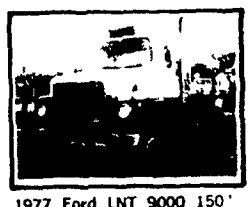
(2) 1978 Fords LN8000; 18', Cab & Chassis, Cat. 3208 Eng, 210 H P 5 spd trans; 2 spd Rear, Air Brakes, 11 00x20 Tires; 35,000 lb GVW, 12,000 lb FA; 23,000 lb RA, P/S



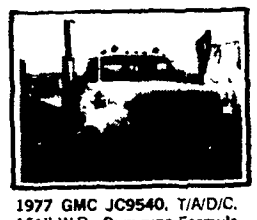
(3) 1978 FORDS C7000 24' Cab & Chassis, 27,500 GVW, CAT 3208 (200 H P), 5 spd Spicer Trans, 2 Spd Rear, P/S, Engines Overhauled



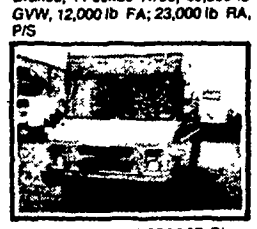
1978 Ford F-7000, 16' Refrig, 27,500 lb G V W, Cat 3208, 200 H P, Clark 390, 5 speed, P/S, Hackney 16' body, Thermo-King XMD 50 Diesel, NEW PAINT



1977 Ford LNT 9000 150' WB 8V 71N Detroit 289 HP, RT910 10 Speed, P/S A/C, Engine Overhauled 182 000 miles



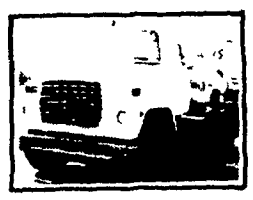
1977 GMC JC9540, T/A/D/C, 161" W B, Cummins Formula 290 276 H P Fuller RT1110, 10 spd P/S, A/C, NEW PAINT! 140,000 Miles



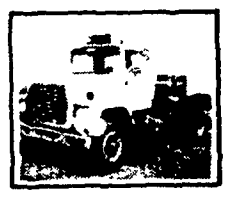
(8) 1981 GMC TP31042 Step Vans- Match Fleet, 350-V/8 Eng, 4 spd trans, P/S-From 33 000 miles, 10,000 lb GVW, will paint your color

1978 CHEVROLET CC10903, 91 000 miles, ½ ton pick up, 250 6 cyl eng, 3 spd, 3 spd trans, plywood sides w/tarp

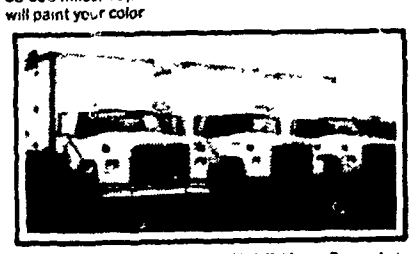
1978 Ford LN7000; 14 ft Reefer, 27,500 GVW, Cat 3208, 175 HP, Clark 397 V, 5 spd, 2 sp rear, P S, 14 ft Duralite Body, 21,000 miles on rebuilt eng, New Thermo King Eng & Compressor, NEW PAINT



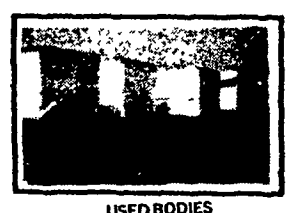
1977 Ford LN-9000; S/A/D/C 138" WB, 6-71N Detroit, RT910 Trans, 10 Speed, P/S NEW PAINT!



1977 Ford LN9000 S/A/D/C 250 Cummins, 10 Spd, P/S A/C, Engine Overhauled NEW PAINT



1978 & 1979 GMC & IHC 12'x14' Vans, Some Auto Trans, Available with Walk Ramps or Lift Gates, Low Mileage will paint your color



USED BODIES
1976 to 1981 Morgan & Duralite 14' to 18' Alum Van Bodies, O/H Rear Door, C/S Door, With or without Lift Gates From $975

All equipment offers no known defects and is available for inspection and road test. Lifetime maintenance records are available for your review. All equipment exceptionally clean & well maintained. Our customers are completely satisfied with their fully reconditioned and recently inspected purchases.

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Picturesque 117 acre farm near Port Deposit, MD Barn, loft, ice house, Pump house. 25 acres of woodland.

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Coldwell Banker - Russell T. Baker
519 Belair Rd.
Bel Air, MD 21014
301-879-3810

SNYDER COUNTY

96 acre general farm, capacity for 10,000 broilers, terrain level, rest wooded, some road frontage, buildings in fair condition, for further information:

Leola Realty
717-656-2281

Juniata County, PA

46 acres in Beale Township, 10 miles south of Mifflintown on Route 35 Property contains a 32'x344' poultry house with equipment and a 1973 12x65 Rosemont mobile home. All offers will be considered. For appointment to inspect the property phone (717) 248-7331. Farm Credit Service, Lewistown, PA

Farm For Sale
100 acres prime land, near PA line, Cecil Co., MD beautiful Colonial home, used as dairy, suitable for beef or horse farm, owner financing.
301-658-5877

HOBBY FARM in Tioga County. 56 acres, 20 acres tillable, small pond, secluded location. House needs some TLC. Taxes a low $300.00. Owner terms, 25% down, 11% interest, 20 yrs. monthly payment $329.01 $42,500 W-654

MOUNTAIN VIEW 5 surveyed acres, spring rights, township road frontage excellent hunting area. Located in Harrison township. $6000

GRAB A MUG and run your own business. Thriving bar and hotel business in Westfield. 15 rooms to rent, owner has apartment. Large parking area, good lunch trade. $132,000.

Call or write for free lists.
After 5:00 P.M call
Butch DeLong 814/334-5204
Sally DeLong 814/334-5204

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Westfield, PA 16950
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REAL ESTATE

For Sale by owner- 18 acre farm, house, barn and outbuildings, Blaine area, Perry Co., 717-367-8183.

Southern York Co.- approx. 16 acres, 4 bedroom home, barn, greenhouse operation. 717-993-6780.

Bradford County modern dairy farm, 90 acres. Will sell either equipped or bare. 717-364-5631.

For rent: 100 acre riverbottom soil (level) w/brick farmhouse and huge bank barn, etc. 717-392-1177.

Farmette, 12.66 shares, for sale by owner. 717-259-9983.

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For Sale - 84 acre farm, ½ tillable, balance woods and pasture. Good 3 bedroom house and large separate shop building. Breathtaking views! Morris Twp., Tioga Co. $68,000. 717-724-3409 or 717-353-6716.

Berks County
60 acres, bank barn remodeled for horses, layer house, 4 bedroom farm house, mobile home, selling at appraised value.
215-562-7776

---

64 STANCHION DAIRY FARM
284 acres, 160 acres tillable, level for farming, 90 acres woods, 24x70 silo, 2 Agway machine sheds, large shed 120x36', 1,000 gal. bulk tank, nice house, $295,000.

NITTANY VALLEY AMISH AREA

112 acres general farm, limestone, 60 acres farmed, more can be farmed, 28 acres pasture, owner financing, $165,000.

WHITE DEER AMISH AREA

Dairy farm - 213 acres 130 acres tillable, balance pasture and woodland, 62 stanchions, space for 65 more, 133 freestalls, space for 300 head cattle, market store, ideal for 2 farmers, silos - 20x60', 21x60', 20x70' machinery sheds - 40x100', 25x65', 4 in all, for stock and equipment, inventory is taken

Donald R. Witwer,
Broker
Ephrata, PA
717-738-1458

REAL ESTATE

225 acre farm for sale, Finger Lakes region, 130 acres tillable, stream, 54 stanchion and tie stall barn, 2 silos, pipeline, 8 room remodeled home, plus additional housing, 1st and 2nd cut hay in barn, corn 6' tall, cows and machinery available. 315-364-8846.

For sale - Perry Co., Liverpool area. Southern slope, 35-40 min. to Harrisburg. 16+ acres, beautiful view, seclusion, hard road frontage, apple and cherry trees, pines, excellent hunting. $19,500. 717-444-3273.

Tioga Co., 110 acres, approx. 65-75 acres tillable, balance woods, house excellent condition, large barn. 215-942-2197 between 7 and 8 PM.

Berks county 18 acres, 2½ story farm house, barn, summer house and outbldgs. Creek. Kutztown schools. $85,000. Furst Agency 683-3434 eves. 683-7866.

Huntingdon County - Cass Twp., approx. 140 acre farm w/log and frame home, bank barn w/new roof, good spring, approx. 40 acres tillable, $65,000. Springfield Twp., 10 room and bath home w/aluminum siding on 8.18 acres of woodland, joins State GrounD, $39,000. Colonial Real Estate Agency, 814-447-5511.

Sale of a farm by the United States Government by Sealed Bid: This 7 acre hog operation has the capacity for nearly 200 sows. The dwelling is a 3 bedroom brick cape. This farm tract is located on Lowry Road, New Holland, Pa.
Bid Deposit: Bid must be accompanied by cash (sent at bidders risk), certified check, cashier's check, postal money order or personal check, payable to the TREASURER OF THE UNITED STATES FOR AT LEAST 5% of the total bid.
Rates and Terms: Cash or terms not less than 5% down-payment with the remain balance amortized over a period not to exceed 20 years at 10 3/4% interest to qualified buyers and subject to market conditions.
Terms of the Sale: Sealed bids are invited and will be accepted until 9:30 AM EDST September 16, 1983 at the Farmers Home Administration Lancaster County office. Sealed bids will be opened publicly in the FmHA county office at 10:00 AM on the same date. The Government reserves the right to reject any or all bids. This farm will be sold without regard to race, color, religion, sex, age, national origin or marital status. For appointment to inspect property or further information and bid forms please contact the Farmers Home Administration at 1383 Arcadia Road, Lancaster, PA 17601 (717) 393-4760.

For Sale - 55 acres of wooded land, Mullica Twp., 20 miles from Atlantic City, NJ 609-468-5257.

GETTYSBURG AREA FARMS

A MUST TO SEE - Completely modernized 2-story brick home with all kitchen appliances and many other extras. Bank barn, equipment buildings, fenced pasture, and pond. $155,000 (#9126)

13 ACRE HORSE FARM - With a solid brick, 2½ story home featuring 5 bedrooms, 3 baths, spacious living room, formal dining room, spacious kitchen, restored barn with covered paddock area. $129,500 (#11082)

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MARSHALL L. MILLER, INC. REAL ESTATE
717-334-6283 or
Outside of Adams Co.
Call 1-800-443-2781, Ext. C-53

REAL ESTATE

If you're looking for a farm, land or have any other real estate needs, you'll find what you want in the Real Estate classifieds. 717-394-3047 or 717-626-1164.

50 acre farm for sale within Mennonite area. 25 acres in rye, rest could be farmed. Robert Hopkins, owner. Penn Yan, NY 315-536-8092 between 6-7 AM

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For Lease - outstanding 330 acre dairy farm in Southern Tier NYS. Harvestore and other silos, 70 cow barn and other buildings. 607-849-6097.

2 Farms consisting of 120 acres of very fertile land, 2 sets of buildings for sale by the owner, John Strawbridge, 301-996-2022.

---

44 Acre Hog Farm
East Donegal Twp., Lanc. Co.
44 acres-prime level land located on Iron Bridge Road, East Donegal Twp. with a 40'x120' - 600 capacity hog confinement facility. This 6 yr. old building has an exc. well and dual set-up for floor and bunk line feeding. Easy access to building from hard road. Exc. investment or tax shelter. For additional info. call
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at 717-684-2589
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PENNA FARMS
CUMBERLAND CO.
127 acre general, 102 crop acres, bank barn, frame dwelling, needs repaired. PRICE ADJUSTED $109,900

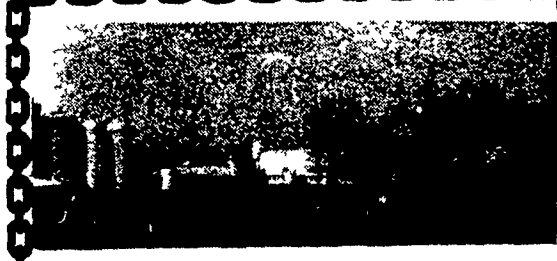
20 acre dairy farmette, 8 tie stalls, silo w/feeder.

FRANKLIN CO.
96 acre general, buildings in good condition, pond, road frontage, secluded.

124 acre general, 95 till[SOLD]us buildings. 2 story frame dwelling, bank barn.

91 acre dairy. Owner financing.

Charles Wenger, GRI, 263-0945
George Ebener 249-4979
Wilbert Diehl 258-3231
GEORGE L. EBENER & ASSOCIATES REALTORS
139 W. High St.. Carlisle, Pa.
Ph. (717) 243-6195



Virginia Dairy or Grain Farm, 525 acres, 475 tillable, 35,000 bu. grain storage. Double 6 parlor with 300+ free stalls, 3000 gal. bulk tank, silos consist of two 20-50, 30-60, 30-70, cement stave, main house 9 rooms plus 2 baths and 18x36 in-ground swimming pool. Tenant house 7 room, both in very good shape. Priced for quick sale at $985,000.
Phone 703-399-1280

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139 Acres (m/l) Consists of 2 Adjoining Farms. 130 Free Stalls, 36 Stall Milking Barn, 2 Harvestores w/Feed Bunk, 3 Equip. Sheds and Much More...

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131 Acres (m/l) with 24x72 concrete silo with top unloader and 72 ft. feeder in barn. Excellent stone home, plus several out-buildings. Nice setting North of Fleetwood ..... $285,000!

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#2 - A GOOD 50 COW FARM - price right @ 300 acres 120 tillable, 50 cow barn, 2 silos, good 4 bedroom home. $130,000. $30,000 down owner financed.

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Just Listed - 91 ACRES OF FARMLAND. Ideal for modern chicken or hog farm. Secluded country location north of Lititz and Manheim. Only building on the property is a block implement shed. Call for details. ML#66205

10 ACRE FARM - Large 2½ story farmhouse w/5 bedrooms located near Penryn in Penn Twp. Property includes lots of out bldgs., perfect for a truck farm, steer or hog farm, gentleman farm or someone specializing in custom farm work. This excellent property has a super location on the corner of Penryn Rd. & Oak Lane. ML#64596

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24.12 acre farmette operation. Various income sources - Ideal for year round farm operation, poultry, fruit, livestock and grain provide for a stable future. 1,745 square foot home, poultry operation, includes 29 x 25 shop, 40x180 two story poultry buildilng, and two single story 40x120 poultry building, three pastures and small apple orchard. Gross income $33,000. Owner financing 30% down at 11%, term negotiable.

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660 ACRES — Entire Valley (from top of ridge to top of ridge) Located in CENTRE COUNTY with good accessability Ideal for private hunting club priced right — under $400 per acre at $260 000 Owner financing possible

TWO TRACTS — One 101 acres, the other 77 acres Purchase together or separately Located near PENNS CREEK in CENTRE COUNTY Asking $400 per acre or $30,800 for the 77 acres and $40 400 for the 101 acres Owner Financing available Miles Clevenstine 814 383 2755

86 ACRES — Remote and private, but accessable located in CLINTON COUNTY near BEECH CREEK Asking $28,600 Call Miles Clevenstine at 814 383 2755

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62 ACRES — 7 acres wooded 55 open and tillable Established alfalfa and annual grasses Two story bank barn, farm pond, outbuildings Four bedroom ranch home of approximately 1600 square feet Asking $120,000 Additional 60 acres available at $72,000 (no buildings, all tillable) Buy separately or together Within 15 miles of University Predominately Hagerstown type soil Call Miles Clevenstine at 814 383 2755

217 ACRES — 12 miles from State College Situated in a Semi private Valley Four bedroom home and barn included Ideal for beef and horses Rolling topography with wooded acres at top of ridges The balance of land is tillable or for pasture Ideal place to retire to Asking $180 000

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STATE COLLEGE PA 16801
(814) 234-1150

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Miles Clevenstine
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300 acres, very heavy flowing spring, mixture of good cropland, woodland & pasture, stream and hard road frontage. Located in Potter County, Penna about 8 miles North of Rt. 6, at Gold. Owner financing at $350. per acre
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RAY N. WILEY INC.
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CALL 653-1481
FARM LISTINGS NEEDED
Farm Salesman - Eugene Kreider

157 acre dairy farm, 7 mi. northwest of Chambersburg, $170,000
105 acre general farm near Spring Run unusually nice home, $150,000
100 acres open land near Gettysburg, $140,000.
VanCleve Real Estate
Phone: 717-392-3032 anytime

Farm For Sale
85 plus acres limestone soil with or without buildings.
Stoughtown Area
717-776-7542

FARM FOR SALE
85 Acres Near Pillow, Pa., Northumberland County. Financing Available for Qualified Buyer.
Call 717-665-2081 after 5:30 P.M.

CORTLAND COUNTY FARM
220 acres, 110 tillable, 100 woods, 80 cow free stall barn, 1000 gallon bulk tank, milking parlor, needs milking equipment, new 3 bedroom ranch house, $142,000. FMHA will take a second mortgage of $92,000 at 10¾% at 40 years. Next spring occupancy. Should have own cattle and machinery. For more information call:
AL REAGAN REALTY
607-753-1651 after 6 PM
OR WRITE
RD 1, McGraw, New York 13101

FARM
LYCOMING COUNTY
Private location, lovely 4 bedroom home with extra large bank barn and implement shed, all in excellent condition. Total 143 acres with 75 tillable. Good hunting area, owner will consider financing, $165,000.
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Williamsport
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FOR SALE OR TRADE
160 acres all tillable on highway, 2 miles north of Versailles. Excellent House and out buildings 3 barns, Hog and Cattle feeding floor. Grain Storage, fenced and cross fenced.
Terms
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(evenings)
Ask for Benny

#219 222 acres m/l estate set up to become one of the finest horse farms. The colonial home has been restored to perfection, 9 rooms, 3 bedrooms, 2 baths, 2 fireplaces and many extras. Centrally located is a large 80x160 clearspan riding arena with adjoining 25x96 clearspan designed for stalls. 32x48 barn with heated tack room is next to arena. Also 32x45 equipment shed. Property also has 2 large bank barns and tenant house. Exceptional property. Owner being transferred $350,000.

#212 187 acres m/l general farm with approx. 100 acres tillable or pasture. Pasture fenced and watered by stream, 1½ acres stocked pond, 7 room frame house, large bank barn, smokehouse, garage and shop combination Ideal recreation property being bordered on one side by state forest and waters land. Excellent owner financing at $180,000.

#200 113 acres m/l general farm approx. 70 acres tillable, small barn, corn crib and grainery, 5 room house needs minor repair, large creek flows thru property. Priced right at $83,500.

#134 125 acres m/l dairy farm ready to go, 110 tillable acres, large 10 room colonial house, 80x90 barn with 32 cow ties, 4 bay garage, machine shed, hog pen, 2 silos, many extras. Assumable mortgage $265,000.

STROUT REALTY INC.
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NEW LISTING-NEAR BEDFORD:
265 acres, 135 TA, beef farm, 3 large silos, 100' automatic feed bunk, loam soil.

137 acres 50 cow dairy, very large house, 10 year old round roof barn and bank barn
plus
2 other neighboring farms. These three total well over 400 acres with some owner financing.

100 acre dairy farm in Amish country of Clinton County. Level limestone soil. Very nice. nice.

173 acres near Delta, Pa. 70 TA, no buildings. Owner financing. $155,000.

58 acres near Willow Street, 300 hogs, 140,000 broilers.

33 acres in Dauphin County, 2 story house and bank barn $68,500.

Some small farmettes in Cumberland County. Call Mr. Baum.

FARM & HOME REAL ESTATE
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Sylvester Baum	Harlan Keener	Mahlon Oberholtzer
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Broker-J. Irvin Denlinger
717-898-8962

York and Lancaster County Farms

22 acres - Poultry/Hog farm operation for 500 hogs and 20,000 layers All out buildings in good repair 5 bedrooms and 1½ bath dwelling with modern kitchen and bath $195,000.00 Lancaster County.

50 acres - Beef/General farm with 45'x80' barn, 30'x66' tobacco shed, corn barn and (1) 14'x40' silo 3 bedroom and bath dwelling with new kitchen and 3 car garage. $179,000.00 York County

52 acres - Beef/Produce farm with horse, cattle and storage barns, implement shed, garage and work shop 5 bedroom and bath farmhouse. Good producing farm with stream and pond. $200,000 00 Lancaster County

90 acres - Beef/General farm. Bank barn, 2 tobacco sheds to hang 11 acres, corn barn, implement shed, and 2 car garage Prime farm ground with creek frontage. 4 bedroom and bath brick farmhouse. $325,000 00 Lancaster County

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JUNIATA CO. FARMS & WOODLAND FARMS

100 acres, 85 tillable, 2 story dwelling in good cond., cattle feeding shed, 25,000 cap. broiler house, bank barn, other buildings, 1 ac. pond **$150,000**

193 acres, 65 tillable, balance woodland, streams, 2 story dwelling, 2 small barns **$155,000**

101 acres, 65 tillable, 2 story dwelling, bank barn, stream, pond **$90,000.**

27 acres, 18 clear, stream, pond, 2 story dwelling in good cond., bank barn **$72,500.**

14½ acres, all clear, stream, large 2 story dwelling in good cond., large bank barn **$83,500.**

WOODLAND

23 acres, secluded **$17,500**

11½ acres, secluded, easy access, stream **$17,000.**

28 acres, twp. rd. frontage **$28,000.**

63 acres, secluded, elec., rd. frontage **$40,000.**

14 acres, secluded, mt. stream, borders state, shack **$20,000.**

10 acres, top of mt., borders state **$8,000.**

3½ acres, rd. frontage, elec., stream, spring, priced only **$6,500.**

¾ acre, road frontage, stream, priced only **$3,500.**

LARRY LONG REAL ESTATE
RD #2 Box 16, Port Royal, PA 17082
PH: 717-527-4784 or 2364
"CALL ANY TIME"

DAIRY FARMS

6-184 Complete and fully stocked dairy farm on 256 acres with at least 175 ac. tillable, 3 barns including new mach. shed, 3 silos, 100 head cattle, all machinery. Owner is willing to finance.

6-186 265 ac. farm, remodeled house, new barn, lg. pond, new fencing and complete auto repair shop. Ideal for horses or sheep.

6-150 234 acre operating dairy farm with 160 tillable acres, modern 50 cow barn with 2 silos, new 3 bedroom ranch home and several outbuildings. Asking $250,000 with seller financing to qualified buyer with $75,000 cash. Cattle and equipment may be bought separately.

32 acre horse farm located near town, modern horse barn complete with inside riding arena. Also garage or workshop and mach. shed. Only $72,500.

5-166 Remodeled house and barn on 80 acres of good farmland, includes new mach. shed, excellent for horses or beef cattle.

More information available
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OFFERING THESE FINE PROPERTIES IN YORK COUNTY, PENNSYLVANIA

$190,000
STICKS - Executive farm with restored home, 3 stone fireplaces, 2½ baths & 3 bedrooms surrounded by 50 acres of rolling farmland complete with horse barn!

$239,900
DOVER—SELDOM DO WE have an opportunity to offer as fine a home as this restored stone home situated on 113 acres. There are 85 prime tillable ac & good outbuildings Reduced to $239,900

RED LION - Very fertile farmland along Rt. 74. A total of 96 acres with 35 woodland and 50 tillable acres. Good development potential for the investor Only $1937 per acre.

$300,000
MD/PA LINE - 130 Acre farm with impressive home, large barn, multiple road frontages, potential subdivision, excellent agricultural sales site. Owner financing available

$140,000
YORK NEW SALEM - Gentleman's farm with restored home and new addition. 3 BR 2 baths only 5 miles from York. Nice barn and outbuildings. 44 Acres

$327,500
GLENROCK - 103 A Breeding Horse Farm - 70A tillable, balance in board fenced pastures with some woods to round out this picture perfect farm Extra large country home with 5 bedroom 3 baths & barn panelled Family room. All buildings in excellent condition. Large bank barn with large box stall, with A/I laboratory THe homestead sits in the center of 103A and is meticulously manicured and landscaped.

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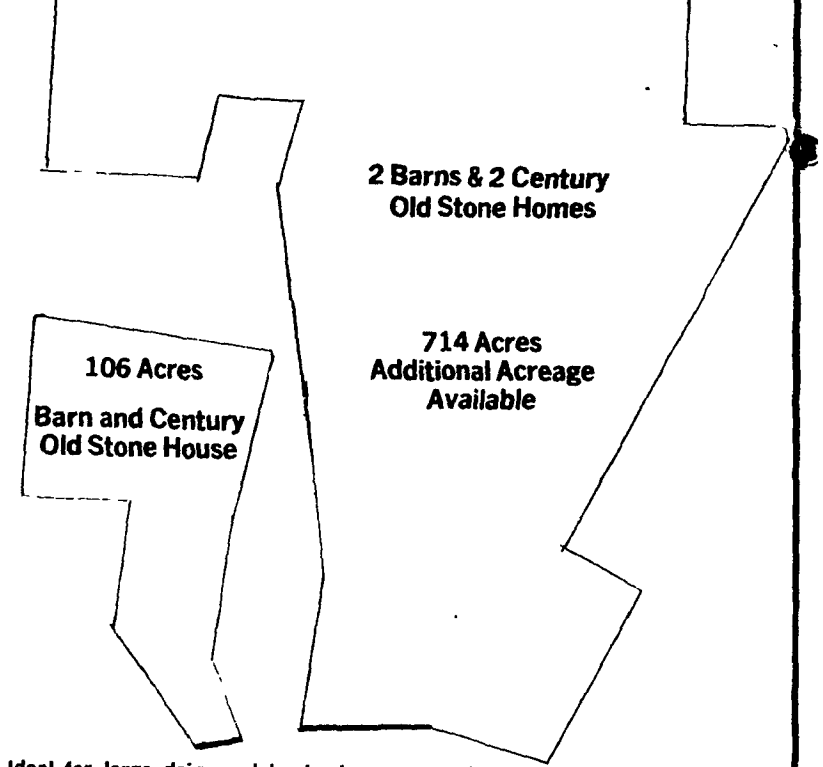

Ideal for large dairy and beef - horse operation. Possibility of purchasing portions, fertile soil. Other business potential. Excellent location near Middletown, PA - Dauphin Co.

Mylin Messick - Real Estate Broker
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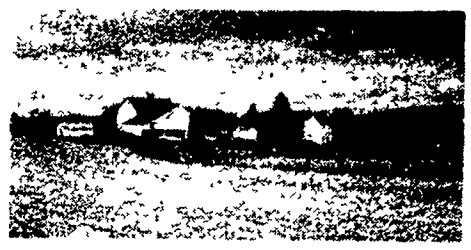
FARM FOR SALE BY OWNER

143 acre general farm, early 1800 log house in good cond., bank barn in fair cond., being used as farrow to finish hog operation, 12,000 bushel grain storage, 85 acres tillable, 25 acres in meadow, balance in woods. Will sell all or part. Farm is in New London Township, Chester Co. Excellent development property or working farm, Amish within 5 miles.

215-255-4507

COUNTRY PROPERTIES

G.D. Hannum, Realtor



PRODUCTIVE FARM

102+ acres, house and bank barn 65'x82' with slate roof, silo, stream, prime location between Oxford and Kirkwood, Pa 67 acres tillable, 32 pasture, 3 wooded, Amish farms nearby $275,000 Owner financing possibilty to qualified buyer

GOOD FARM

Excellent Location

47+ acres, 3 bedroom farm house, pond, excellent location ¼ mile from U S Rt 1 bypass This property must be seen to be appreciated. Road frontage $240,000

EXCELLENT FARM GROUND

46 acres located on Rt 41 w/stream, 3 miles outside Cochranville Priced at $5,000 per acre

GOOD LOCATION

10 acres all tillable, nice country setting located at Rt 896 and Old Rt 1 Convenient to Delaware and Eastern, Pa. Price $45,000

Contact: Hale Truitt
215-347-2065 or
215-869-9310

FARM AVAILABLE NOW

120 acres, 20 mile from Carlisle, nice level fields, several ponds and stream for irrigating, large bank barn and house with all improvements, large mobile home on property, owner will offer financing. Call 717-249-1165 after 5 PM

S. NORTHUMBERLAND CO. & SURROUNDING COUNTIES

60 acre farm, owner financing at 10% interest, lg. home, wood or oil heat, bank barn, small orchard, $79,000. Call Peter.

Former 80 head free stall dairy-easily converted back, feed lot for 300 steers, 2 homes, (2) 20x50 and (1) 20x30 Harvestores, large shop, 100 acres, 70 tillable, $169,000. Additional 100 acres available. Call Peter

32 acre farmette, 25 tillable, remodeled 3 bedroom home, garage, chicken house, $45,000. Excellent terms. Call Peter

137 acres, new horse stable, butcher shop & machine shed, large bank barn set up for sheep, pasture w/pond, 60 tillable, $150,000. Call Peter

Bloomsburg Farm, 69 acres, 65 tillable, 3 bedroom home, $140,000. Owner financing. Call Peter

25 a., 12 tillable, 12 wooded, stream through, $30,000 owner financing. Call Peter

Plain acreage. Owner will finance with no money down. 130 a., 120 tillable, $165,000, 60 a., $69,000. 204 a., $240,000. 20 a., $30,000. 15 a., $24,900. Call Peter

Looking for another business? We have a restaurant that seats 500, grosses $800,000 per year. $859,000. Call Peter

PETER B.

CORTELYOU

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Peter B. Cortelyou, Broker 717-758-9177
Ralph Deibler, Salesman
717-692-2587
Ralph has country homes and taverns.

CUMBERLAND COUNTY

120 acre dairy, 85 acres tillable, woodland, pastures, 3 bedroom house with conveniences, frame bank barn, 24 stanchions, pipeline bulk milk tank, 2 silos, one with automatic feeder, 96 free stalls, heifer barn

188 A General Farm, 176 A tillable, Murrill soil. Beautiful 2½ Story 4 BR dwelling, Large Frame bank barn, Grain dryer, 10,000 Bushel storage bin would make excellent beef, hog, or dairy farm.

80 A Poultry farm, 50 A tillable Bal Pasture, 2½ story 4 BR dwelling 60 x 80 Frame Bank Barn 20 x 65 Machinery Shed, 2 Story 44 x 400 Broiler house w/Empire Koser Contract.

General Farm, 410 acres, 380 acres tillable, 4 bedroom house with conveniences, 3 bedroom house with conveniences, barn.

LANCASTER COUNTY

50 acre hog farm, hog barn for 50, farrowing pen for 16, gestation for 50 sows, boar pen for 4, nursery for 265. Four bedroom dwelling, 45 acres tillable Must be seen to be appreciated.

83 acre dairy, 65 acre tillable, 4 bedroom house with conveniences, 32 comfort stalls, large loafing area, 2 silos.

13 A farmette near Mt. Joy, 2½ story, 4 BR dwelling, Frame Bank barn garage with other out buildings, Reduced to $83,500.

LEBANON COUNTY

79 A General Farm near Jonestown, 70 A tillable small stream between house & barn, Completely remodeled with new addition, 4 BR dwelling Large Bank barn, poultry house, 40 x 40 implement shed, 10 x 40 silo Two car garage, must be seen to be appreciated.

Fredericksburg R.D., 148 A General Farm, 106 A tillable bal. woodland pasture with stream, 2½ story 3 BR Stone-Stucco dwelling, 45 x 90 Frame bank barn, 3 story poultry house, Large implement Shed. The farm has many possibilities.

PERRY COUNTY

Near Kistler 57 A General Farm, 35 A tillable bal. wooded and pasture Frame Bank Barn, no dwelling, lots of road frontage

180 A General Farm approx. 90 A. tillable, balance mostly wooded and pasture with stream. Large frame bank barn, modern 4 BR dwelling Excellent, owner financing to qualified buyer. Priced to sell $180,000.00.

BERKS COUNTY

Stouchburg 19 A zoned commercial borders old and new Route 422 2½ stroy-2 unit dwelling, live in one and rent the other. 40 x 70 stone bank barn, 28 x 70 tobacco shed, 12 x 18 corn barn. This Farm has many possibilities.

Near Shillington 23 A Farmette 10 A tillable 8 A pastures & orchard 2½ Story 3 BR dwelling 3 Story Bank Barn, garage and workshop combination Also 12 x 70 Mobile Home for extra income.

NORTHUMBERLAND COUNTY

Near Pillow 16 A Farmette 4 year old 2 Story 4 BR dwelling 69 x 90 Husky Built Clear Span metal building w/12 ft. high door 36 x 124 Metal Frame Plastic Greenhouse w/2 LP Gas Furnaces. ¼ A Asparagus Patch. A very desirable small property.

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DIRECTIONS: From North East - rt. 40 E. ½ mi. to Mechanics Valley Rd. Right to property.

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AMERICA'S FOREMOST REALTY AUCTION ORGANIZATION

REAL ESTATE

REAL ESTATE

FOR SALE BY OWNER

360 acre dairy farm, 155 acres tillable, 95 tie stalls on pipeline, 1000 gallon bulk tank, heifer barn, attached machine shed, two 20x50 silos with unloaders, good 10 room house, 2 bedroom trailer, crops included, located in central New York, $135,000. Write to Lancaster Farming, P.O. Box 366 J-282, Lititz, PA 17543.

STROUT REALTY, INC

#945 Farmette 108 acres Horse or Beef barn plus 5 bedroom house $90,000.00 Financing available.

#1020 Dairy Farm 425 acres, 350 tillable, 82 ties, pipeline, 2 Silos, hfr. barn, 4 bedroom house $225,000. Financing available.

#1079 Dairy or Beef Farm 475 acres, 250 tillable, 79 ties, Silo. Owner financing $100,000.

#1080 Dairy Farm 313 acres, 145 tillable, 69 ties, pipeline, hfr. barn, machinery shed, New Ranch 4 bedroom house. $200,000.

STROUT REALTY
Carol Wood Salesperson
Cincinnatus, New York
Phone 607-863-4143

CENTRAL PENNA. FARMS

CUMBERLAND COUNTY

100 acre dairy, milking parlor and free stalls for 70 cows, 3 silos, modern 2 story brick house. Call Mr. Niesley.

33 acres secluded, 20 wooded, no buildings, stream. Call Mr. Niesley.

20 acre farmette, 2 story log house (w/modern kitchen, bath and furnace) bank barn and other buildings. Approx. 2000 ft. road frontage. Call Mr. Niesley.

JUNIATA COUNTY

20 acres of open ground. No buildings. Call Mr. Benner.

20 acres woodland, 2 streams, near state game lands and Juniata River, Call Mr. Crawford.

15 acre wooded tract along Rt. #75. Call Mr. Crawford.

7.3 acre farmette, modern 2 story frame house w/attached garage, small barn and other buildings, stream thru pasture. Call Mr. Benner.

PERRY COUNTY

8 wooded lots, 1 acre to 1.7 acres. All with septic permits. Deer country $4600 to $9400. Call Mr. Orris.

5 acre farmette, bank barn, modern 2 story house. Call Mr. Benner.

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CLAIR R. BENNER - 717-444-2162
EARL I. STERN - 717-748-7378
GREGG R. BITTING - 717-789-3368 or 789-4513
STEVE E. ORRIS - 717-789-3365 or 789-4177
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NEW LISTINGS THIS WEEK

PERRY COUNTY

68 acre vacant farmland in the Blain area. Could possibly be purchased with buildings. Call today for more details, price, features & location.

LYCOMING COUNTY

One of the most beautiful farms in crops in, Lycoming Co. & possibly PA. This property has; two 5 bedroom houses. Barn has 66 comfort stalls, 24x70 silo, 40x120 imp. shed, 40x60 metal barn for young stock. 284 acres total w/160 tillable. Additional land for rent if you want. Priced for quick sale with spring possession. $325,900.

UNION COUNTY

120 acre modern beef farm. Good soil. Large barn for 100-150 steers, lg. grain bins and a 2½ story residence. Priced for a quick sale with possession to meet your needs. Owner financing available.

70 acre modern dairy with 102 freestalls, 4 lg. silos, pipeline milking equip. w/strip milking stable, slurry pit, 2½ story frame home. Approx. 200 acres rent to lease available. Call for details.

60 cow comfort stall barn w/lg. 7 bedroom brick dwelling. Pipeline bulk tank, modern bldgs., 237 acres prime farm land, 30 ac. woodland, 20 ac. pasture. Priced just over $2200 per acre w/owner financing.

120 acre dairy, lg. modern 4 bedroom home, 90 ac. tillable, balance pasture & woodland. Beautiful setting w/loam soil in the Mennonite area. Call for price & details.

YORK COUNTY

53 ac. plus general farm. Ideal for horses, sheep, steers. Barn, outbuildings, implement shed and beautifully restored 2½ story Colonial farm home. Approx. 45 min. from Baltimore. Ideal for gentleman farmer or operating farm. There is a lg. pond, road frontage. Priced right for quick possession.

PERRY COUNTY

Amish area, 57 acres, with barn, no residence, 40 ac. tillable, 14 ac. woodland, balance in pasture. Priced for quick sale at $81,900.

200 acre steer & hog farm. 2½ story brick home, 4 bedrooms. Stave silo, woodland, pasture, springs, in high state of cultivation. Price at $1325 per acre.

NORTHUMBERLAND COUNTY

Amish farm, 83 acres, 80 tillable, 2 houses, harness shop, dairy barn, silo & milk house. Priced under $170,000. Fall possession or spring of '84. In high state of cultivation.

Adjoining neighboring farm with 2 lg. silos, brick house and dairy barn, 42 acres for less than $135,000.

LANCASTER COUNTY

114 acre modern dairy w/12 unit milking parlor, 2 large Harvestores and 2 large cement stave silos all w/unloaders, room for 180 cows or more in the modern freestall barns, large Harvestore Slurry and 1500 gallon bulk milk tank. See it today, w/possession to suit your schedule. Lots of road frontage, large pond and modern ranch house. Priced just over $3,800 per acre.

ADAMS COUNTY

75 acre modern dairy farm, 20x70 stave silo w/unloader, 6 bedroom modern stone home, 50 stall barn, pipeline, over 1 mi. road frontage, $240,000.

DAUPHIN COUNTY

36,000 broiler plus hog farrowing operation on 54 acres. Ideal for steers, horses. Sits nice and owners could help finance to the right party. Reduced - no reasonable offer refused!

MONTGOMERY COUNTY

50 acres prime development land with modern 1½ story, 5 bedroom stone home. Close to industry, shopping and within 5 mi. of two country clubs.

LEBANON COUNTY

107 acre dairy and hog or could be a steer set-up - your choice on a very productive farm. You have the opportunity of restoring an early log home or modernize it. The location is ideal and there is great potential. Call for price and financing details.

CUMBERLAND COUNTY

75 acre modern dairy with silo and unloader, barn cleaner, pipeline and implement shed, lg. modern dwelling, limestone soil in high state of cultivation. Buy this one and get a 3 yr. rental with first right of refusal on another farm that would give you a total of 135+ acres. Drastic price reduction. Call for new pricing and terms. Owner is seriously ready for sale.

If you are thinking of buying or selling a farm or farmland call Sandy today. He will be glad to serve you in any county.

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CENTRAL PA FARM LISTINGS

BEDFORD COUNTY

GAME FARM & FISH HATCHERY -368 acre property - 200 acres fenced for private or commercial big game hunting preserve. Warm water fish hatchery, 30 ring fed ponds, 10 acre lake, lodge, trout stream, 40 campsites, road frontage.

BLAIR COUNTY

GENERAL FARM - 131 acres (106 productive tillable, 25 woodland, pasture), near Williamsburg. Solid 2-story frame house and bank barn ideally suited for livestock. Buildings are centrally located on land. Reduced to $142,500.

CENTRE COUNTY

GENERAL FARM - 150 acres (147 tillable). Suitable for livestock or grain farming. Sound 2-story house, bank, barn, good road frontage. Pleasant Gap area. Joins farm below. $238,500.

GENTLEMEN FARM - 87 acres (27 tillable, balance pasture and woodland). Sound dwelling, large bank barn, outbuildings, nice location on Route 144. Pleasant Gap area. Joins farm above. $127,500.

GENERAL OR LIVESTOCK FARM - 205 acres (155 productive limestone soil, 12 pasture, 38 woodland). 2 story brick house, bank barn, 20'x50' silo w/bunk feeder, new 24'x48' metal building. Near Centre Hall. $449,500.

DAIRY FARM, 136 acres, (113 tillable, balance pasture,) sound 2 story dwelling, excellent dairy facilities, including modern 1 story dairy barn w/52 tie stalls and attached free stall heifer barn w/40 stalls, 3 concrete stave silos w/unloaders and 2 story bank barn in addition. Pond. $299,000.

GENERAL FARM - 105 Acres (92 highly productive tillable 15 pasture and). Very good house, barn, garage, stream. Nittany Valley near Hublersburg. Reduced to $169,500. Also available as 93 acres (92 tillable) without buildings $117,500. Owner Financing.

GENERAL FARM - 215 acres in Curtin Township near Romola, adjacent to Sproul State Forest. Picturesque with tillable and wooded acreage; 2-story house, 2-car garage, very good condition. Stream provides water for house and pond. Excellent investment, ideal for horses or recreation. $150,000. Owner financing.

CLINTON COUNTY

GENERAL FARM 183 acres near Loganton. (83 productive tillable, 9 pasture, 89 woodland.) Very good 2 story frame house, large bank barn, garage, hog pen. Small stream, well & 2 springs. Joins state forest land. Owner financing. Reduced to $159,500. Also available without 80 acres of woodland for $134,500.

GENERAL FARM - 65 acres (57 highly productive tillable bottom ground, 13 pasture). 2-story house in fair condition. Frontage on Susquehanna River. Owner financing. Reduced to $91,500.

COLUMBIA COUNTY

HOG AND BEEF FARM - 233 acres (130 productive tillable, 19 pasture, 79 woodland). Excellent house, good barn adapted for farrowing and finishing hogs, outbuildings, nice setting. $275,000. 10% owner financing.

HUNTINGDON COUNTY

DAIRY FARM - 155 acres, (114 highly productive tillable, 14 pasture, 24 woodland), sound 2 story frame dwelling, 1 story ranch home, 2 story bank barn w/att. milkhouse w/22 stanchion milking area, 70'x100' loose housing barn, 3 concrete stave silos, outbuildings, and good water supply. Near Warriors Mark, $335,000.

LIVESTOCK FARM - 419 acres (approx. 220 tillable, 140 pasture, 59 woodland). Buildings include a brick home, 2 barns, garage, 2 silos, 2 large euipment sheds. 3 ponds are situated near the buildings. $345,000. Owner Financing.

DAIRY FARM - 80 acres (65 tillable, 13 pasture), pond, 2-story frame house, bank barn with 38 tie stalls, milk house with 600 gallon tank, 16' x 50' silo with unloader, 60' feed bunk with bunk feeder. Near Shirleysburg. Owner financing. $110,000.

DAIRY FARM - 330 acres, (175 productive Hagerstown tillable, 125 pasture, 30 woodland). 3 dwellings, large bank barn with 36 tie stalls & pipeline milker, 4 concrete stave silos with unloaders & miscellaneous outbuildings. Dairy facilities are less than 4 yrs. old. Spring water. $275,000. Owner Financing.

GENERAL FARM, 185 acres, (95 tillable, 24 pasture, 62 woodland). 2 story log constructed dwelling with frame attachment, bank barn, implement shed, outbuildings, 2 ponds, stream. $139,500.

GENERAL FARM 218 acres, (80 clear land, balance wooded). Petersburg, refinished 2½ story house, 2 story bank barn, garage and outbuildings. Several springs, Reduced to $152,500.

LYCOMING COUNTY

LIVESTOCK OR DAIRY FARM - Near Lairdsville. 270 acres (165 level, very highly productive tillable). Good 2 story house, bank barn, 60 x 120' cattle barn, suitable for freestalls, 20 x 60' Harvestore, 2 streams. Owner financing. $325,000.

RIVER BOTTOM FARM - 150 acres (118 acres tillable), good house, barn, silo, grain storage, Susquehanna River frontage, very productive, well maintained farm. 10% owner financing. Adjoins farm listed below. $325,000.

RIVER BOTTOM FARM - 123 acres (100 acres tillable) excellent stone and frame house, workshop/implement shed, large bank barn, grain storage, silo, Susquehanna River frontage, very productive and well maintained farm. 10% owner financing. Adjoins farm listed above. $325,000.

MIFFLIN COUNTY

DAIRY FARM - 53 acres (41 highly productive tillable). Near Belleville. Very good vinyl-sided house, bank barn, double 3 milking parlor, free stall barn with 78 free stalls, 3 silos, 80' bunk feeder; large implement shed, stream and beautiful setting. Reduced to $249,500.

DAIRY FARM - 90 acres, (75 tillable, 9 pasture, 6 woodland). 2- story frame and stone house, bank barn with 18 tie stalls, milk house, 14x60' silo, small stream. Near McVeytown. Good road frontage. $148,500.

DAIRY FARM - 91 acres, (60 tillable, 3 pasture, 28 woodland). Frame house, tenant house, milking barn with 32 tie stalls, freestall barn with 60 free stalls, 20'x60' & 16'x60' silos, implement shed and shop. Near McVeytown. $200,000.

NORTHUMBERLAND COUNTY

LIMITED ACREAGE HOG AND LIVESTOCK FARM - 5 acres w/2 story house, large bank barn, pole barn, 20'x50' silo w/unloader, paved feedlot, 85' bunk feeder, 40'x160' farrow to finish hogs building, 2 3000 bu. grain bins, implement shed, garage and pond, $79,900.

GENERAL OR LIVESTOCK FARM - 105 acres. (100 highly productive tillable, 3 pasture), excellent road frontage. 2-story house, barn & outbuildings $185,000, Owner financing.

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NEW PROVIDENCE R.D. - Farm Style Home on ½ acre country lot - Great Starter $44,900

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"POSSIBLY THE BEST FAMILY FARM FOR SALE TODAY"... this showplace-quality farm just became available and offers the combination of an ultra-modern barn and a top, moneymaking herd. Barn is EXCELLENT, has 53 large ties on 2" Boumatic pipeline, 2 Patz cleaners, new 1000 gallon tank, (2) 20x60 silos w/Patz unloaders, free stall addition w/auto feeding, concrete barnyard. Separate building for grinding own grain. 230+ acres, 193 tillable, 175 in alfalfa. Attractive Colonial home. INCLUDES: 89 Holsteins w/18,000 DHIA, ($1750 over feed costs), 4 lrg. tractors and complete line of modern machinery. A RARE OPPORTUNITY KNOCKING FOR THE FIRST TIME! DON'T MISS IT! $423,500 or will sell bare. CALL WIMPLE'S SLOANSVILLE OFFICE: 518-875-6355

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HEALTH FORCES SALE of this 270 acre farm with 175 tillable and more that could be. Gable roof barn has 50 stalls, cleaner, dumping station, 2 concrete silos, mow conveyor. Hay and heifer barns. Mobile home hook-up. Extra home available. JUST LISTED! $99,000 flexible terms. COMBINED WITH ADJOINING FARM: 360 total acres, 240 tillable, large home, 36 cow barn... $159,000 w/easy terms CALL WIMPLE'S SLOANSVILLE OFFICE: 518-875-6355

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BEGINNER'S DELIGHT...COMPLETE: 140 acre farm with 90 tillable and nice stream. Sugar bush. 33 new stanchions in barn, cleaner, bulk tank, new vacuum line & pump. 16 heifer stalls Good 10 room home, dual heat, large porch. 16 milkers, YS, 2 tractors and machinery for $92,500

BEGINNER'S DELIGHT...BARE: 140 acre farm with 12-15 acre beaver lake. Barn has 32 stanchions, cleaner, bulk tank, concrete silo Just needs a vacuum pump to ship milk. Good Early American 9 room home, dual heat. ONLY $44,000 with $10,000 down. LOTS OF OTHER GOOD DAIRY BUYS AT WIMPLE'S GOUVERNEUR OFFICE 315-287-4163

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Elegant country residence with natural wood interior trim and panelling. Modernized, architect-designed kitchen, 5 bedrooms. Tenant house. Heated workshop. Heated tractor shed. Hay barn. Carriage barn with 3 box stalls. 140 acres.

In picturesque rolling hills of Western NY near Finger Lakes, race track, Bristol Mt. ski area, and Rochester.

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100 acres Juniata Co. Produce Farm, a good buy, $125,000.

Limestone Lancaster Co. Hog, Veal, Steer Operation, $4300 per acre.

York Co. 135 acre, good cropper, stone home, $298,000.

Buck 79 acres, no buildings, tillable & woodland, $2400 per acre.

York Co. 51 acres, quiet setting, $142,500.

New Listing - 230 acre operating Juniata Dairy Farm. Pipeline 1000 gallon tank, cleaner, 20x60 and 16x50 silos, implement storage, good set of buildings. Off Rt. 35. $275,000

Lancaster County Farm that you can make a good living. Beef, hog, veal, and tobacco sheds that will give you sources of income for the hard working farm family. Double brick home built in 1880 with new kitchen. West Hempfield Township. Priced to sell under $4,200 and acre.

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200 ACRE FARM - ONLY $69,900

L shaped barn w/40 stanchions, gutter cleaner, lots of hay storage. 85 A till. 45 A pasture w/stream. Lg. home w/1½ baths & fireplace. 29% down, 9½% int. 20 yrs. Also 150 A farm for $54,900 possible. Steuben Co. NY C-929

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166 Ac. operating Dairy Farm. Approx. 70 + Ac. Till., 50 Ac. fenced pasture, & 35 Ac. wooded. 70 + cow barn & 2 silos. Like new, 2-story home. Needs a few finishing touches. Just reduced to $129,000. N.E. Potter Co. C-878

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195 acres with approx. 100 good tillable & 45 pasture w/stream. Milking equip., dumping station, bulk tanks, etc. included for immediate operation. Partially remodeled 4 BR home & 29 cow barn that could be expanded. Borders Hammermill Paper co. in picturesque location can be reduced to 145 Ac. for $85,000. Excellent starter farm. C-1026

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MONTGOMERY COUNTY

55 acre general farm featuring lovely log & stone home w/modern kitchen, center stairs, 5 rooms with livingroom fireplace, 5 bedrooms & bath, 2 car garage, bank barn, 2 machine sheds, corn crib, silo & much more. A very lovely setting, **$300,000 reduced to $240,000.**

SNYDER COUNTY

65 Acre general farm w/88x45 barn w/block addition. Large 90x36 implement shed, lg. combination corn crib & shed. Lovely 2½ story home w/kitchen, dinning room, living room 3 bedrooms & bath. Completely remodeled. $125,000 #344.

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JUNIATA COUNTY

58 acre, open and wooded, 2 story brick home, kitchen, living rm., dining rm. & bath, and 3 bedrooms, stable and corncrib, good hunting-fishing area, $68,000.

BRADFORD COUNTY

100 acre, 80 T dairy farm, features 54 stall barn, barn cleaner, 16x50 and 16x60 silos, 20x30 Harvestore silo, w/unloaders, 60' bunk feeder, large pole barn, 800 gal. bulk tank, lovely 7 room home w/modern kitchen and bath, all for $150,000. #376

225 acre 147 T dairy farm w/new 42 stall dairy farm barn 800 gal. tank, 2" pipeline, barn cleaner, 6 concrete silos w/unloader & feed mixers, good 2½ story colonial house w/10 rooms and 2 baths and outbuildings $225,000

SUSQUEHANNA COUNTY

437 acre dairy farm, 50 stall barn with pipeline, bulk tank, barn cleaner & 18x50, 14x50 & 16x40 silos. Heifer barn & machinery shed, shop & garage, lovely stone & frame Colonial home with modern kitchen, 8 rooms & 2 baths. Also new second home with 5 rooms & bath. Call for details. $325,000.

SOLD

BUCKS COUNTY

67 acre dairy farm, 2½ story colonial w/large living room, dining room, kitchen, powder room, 4 bedrms. & bath, 30 stall, silo, 3 car garage w/ apt , heifer barn, $215,000, #367

145 Acre jug milk farm superb facilities, lg. store & sales area, 3500 gal. milk holding capacity, modern processing facility including ice cream making, 185 cow free stall, 5 lg. silos, lg. heifer facility, 2 double houses & 1 single home, shop, storage sheds, outbuildings, 200 cows, 250 heifers, full line of machinery additional rental acreage available. Call for details. $1,5000,000.

70 acre 60T dairy farm, features lovely 2½ story stone home, modern kitchen, living room, dining room, 5 bedrms., bath, sits back from road, 36 stall barn, silo, barn cleaner, bulk tank, Quakertown area, $240,000.

171 Acre jug milk farm w/good sales store, double 6 low line parlor, 120 free stalls, 3000 gallon milk holding capacity, 20x80 & 30x60 silos, 100' & 70' bunk feeders, large 6 bedroom home, completely modern, lovely 2 bedroom ranch. Also full line of cattle & machinery available. Call for details. $650,000. A 358.

113 acre, 95T, dairy farm, good 3 story double house, 12 rms. and 2 baths, 34 stall barn, 32 freestall barn, heifer barn, machine shed, cattle & machinery all for $350,000

100 acre general farm w/large brick 5 bedroom home, 1½ baths, in good cond , large 2 story bank barn, 20x60 concrete silo w/unloader & lots of frontage (adjoins 171 acre farm) $348,000.

COLUMBIA COUNTY

180 acre dairy farm, 118 tillable, 36 stalls, bulk tank, several sheds & second small barn, corn crib, 2 silos & grain storage bins. Lovely 2 story farm house with 9 rooms & 1½ baths, remodeled. Slightly rolling & level good ground. $225,000, make an offer, reduced $175,000. #310.

187 acre dairy farm, 170 T, pasture w/stream, 2 solid and lovely farm houses, 130 free stall barn, 70' bunk feeder, harvestore and concrete silos w/unloaders, 2 large trench silos, large machinery shed, 2 large heifer sheds and much more. $530,000.

NEW JERSEY

80 acre dairy farm, gently rolling to level, streams & pond. 2½ story home with 4 bedrooms & 2 baths, large remodeled kitchen, dining rm., & laundry. 60 stall barn & 80 freestall milkhouse, bulk tank, large shop, new large machinery shed & corn crib, 14x40 concrete silo & 200x25 trench silo. $250,000.

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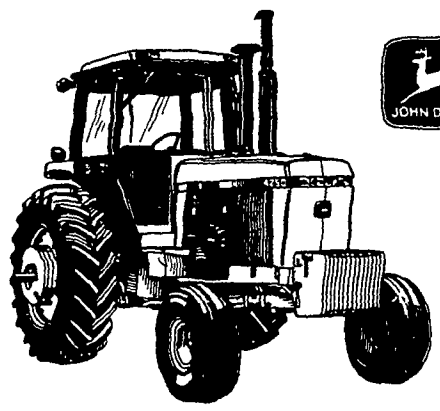
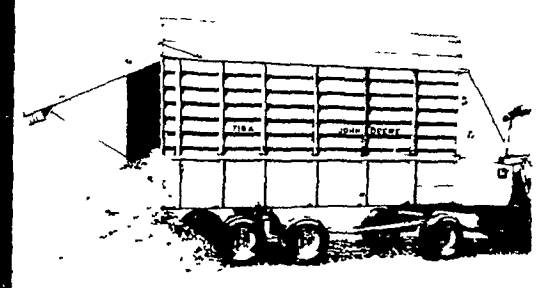
at
AG PROGRESS DAYS

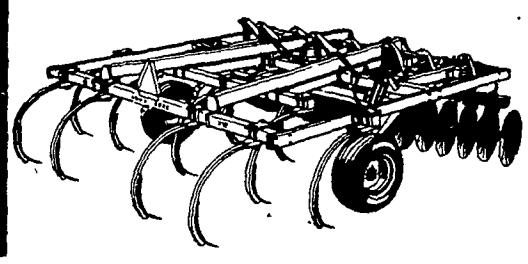
FIELD-EFFICIENT NEW TRACTORS



John Deere 100- to 190-hp tractors spread your workday over more acres

Start with more power. The 4050 has 100 hp, the 4250 has 120 hp, the 4450 has 140 hp, the 4650 has 165 hp and the 4850 has 190 hp.





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That's right! Now Sound-Gard body is available on 55- to 85-PTO-hp John Deere Efficiency Expert tractors. And when it comes to boosting operator efficiency, nothing does it like Sound-Gard body.

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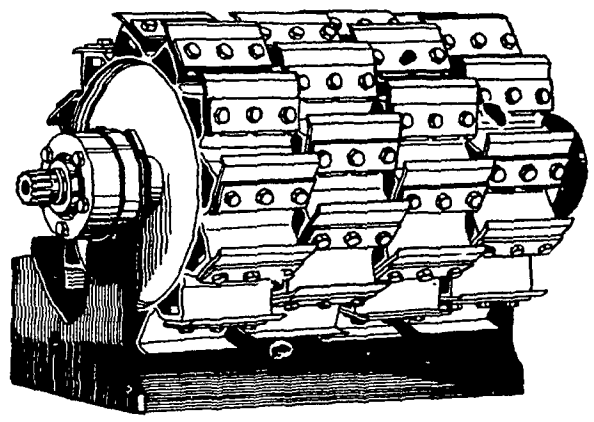
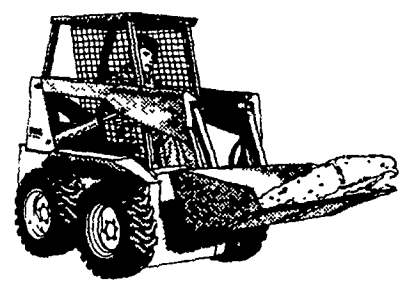
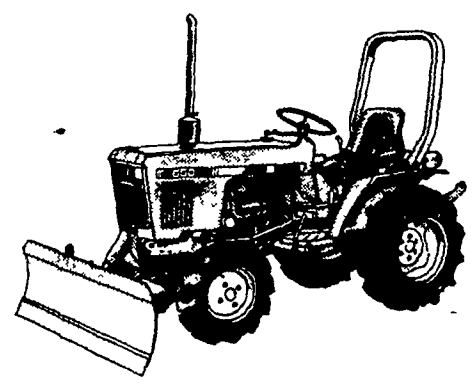


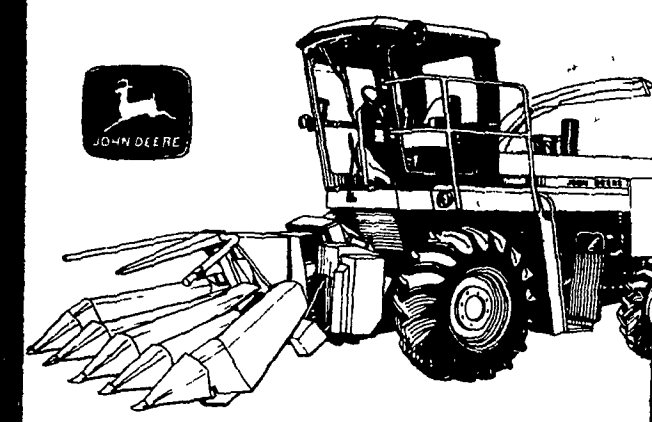
When it comes to forage harvesters, nobody beats John Deere's drum.

In every John Deere pull-type and self-propelled forage harvester you'll find the latest in forage harvester technology: the segmented-knife Dura-Drum™ cutterhead.





BOOST YOUR PRODUCTIVITY



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Petersheim wins Chester-Del. 4-H hog show

BY LAURA ENGLAND

PARADISE — Competing against other Chester and Delaware County 4-H'ers, Gloria Petersheim exhibited the grand champion winner at the 1983 Chester-Delaware Pig Show and Sale, Aug. 12 and 13.

Petersheim, a Chester County 4-H'er from Elverson, sold her champion to Hatfield Packing during the auction at Vintage Sales Stable, Paradise, last Saturday. Her 235 pound, heavyweight entry brought $4.00 per pound.

The reserve champion hog, weighing in at 225 pounds, sold for $1.85 per pound. Owned by Mike Stoltzfus, Elverson, the heavy, mediumweight winner was sold to Hatfield Packing.

Selling for 71 cents per pound was Rod Stoltzfus' champion trio class. Stoltzfus, Elverson, sold his 730 pound trio to Hatfield Packing.

The reserve champion trio winner, owned by Elverson's Mike Stoltzfus, sold for 69 cents per pound to Economy Lockers, Pennsdale. The trio, minus the reserve champion which sold separately, weighed 445 pounds.

Selling for $1.85 per pound was Mike Stoltzfus' reserve grand champion. Jerry Clemens, Hatfield Packing, bought the 225 pound, heavy mediumweight winner.

Gloria Petersheim, Elverson, and her 235 pound pig won the grand champion title at the Chester-Delaware County Pig Show and Sale, Aug. 12 and 13. Pictured with Gloria is Jerry Clemens, Hatfield Packing, who bought the animal for $4.00 per pound.

The remaining 80 pigs sold anywhere from 46 to 69 cents per pound. Other buyers included: Ken Emery Buying Station; Morgantown Feed; Leidy Packing; Pickering Valley Feed Store; Ernest Fairbairn, Inc.; Messina Packing; Beam's Shavings; John Martin; and Cruetzburg, Inc.

Others were: Joe Kevorkain; John Snyder, Hagerstown, Md.; Strodes Packing; Downingtown Wholesale Meats; Hamilton Bank, Exton; Kolb Brothers; and Romig Bros. Trucking.

In addition to the show and sale, the 4-H'ers also competed for showmanship and fitting awards. Unlike the show, the members competed only against members of their own counties.

Winning first place in Class II and champion showman in the Chester County seniors contest was Rod Stoltzfus, Elverson. Scott Stoltzfus, Elverson, took first in Class I and was named the reserve champion.

The junior champion was Lisa Howe, Downingtown, and Patrick Mastrangelo, Elverson, was the

(Turn to Page C3)

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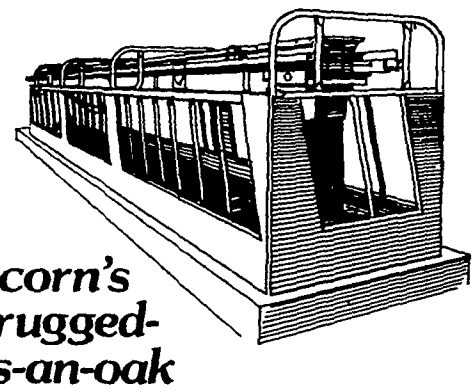


Acorn's rugged-as-an-oak Overflite™ Travel Feeder

The Acorn Overflite™ Travel Feeder dishes out 1300 pounds of an evenly mixed ration every minute It delivers feed up to lengths of 250 feet and uses a third of the horsepower required by auger feeders

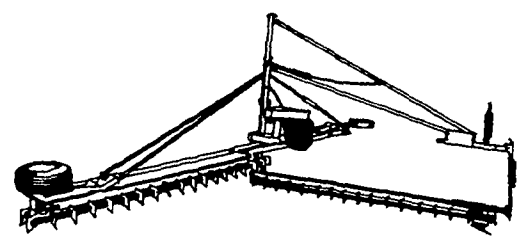
Acorn's new delivery chain uses super tough, heat treated, double-hook links for longer life Rubber flites are independently replaceable

Galvanized construction makes for years of dependable service Snap together trough sections make replacement fast and economical

For even greater efficiency, match the Overflite™ Feeder with Acorn's FeedSaver™ Feed Bunk FeedSaver™ has slanted bars to drastically reduce feed waste in your feed bunk

Stop in and ask about the Acorn Overflite™ Travel Feeder and FeedSaver™ Feed Bunk

Put a Champion™ in your silo



Acorn's new "tough-as-an-oak" silage handler

The Champion™ has the muscle to rip frozen silage with ease. Yet uses less horsepower than any other unloader. Using chain saw action, the Champion™ has a bigger silage handling capacity than ordinary unloaders. New super tough, heat-treated double-hook chain assures longer life. Silage is conveyed, not thrown or blown, and unloaded at the bottom to keep your chute clean.

You'll have fewer trips up the silo for maintenance because the Champion™ has fewer complicated parts than other unloaders: no drive hubs, drive ring, blower, thrower, gear boxes, collector ring, augers or knives.

Stop in and ask to see the Champion™.

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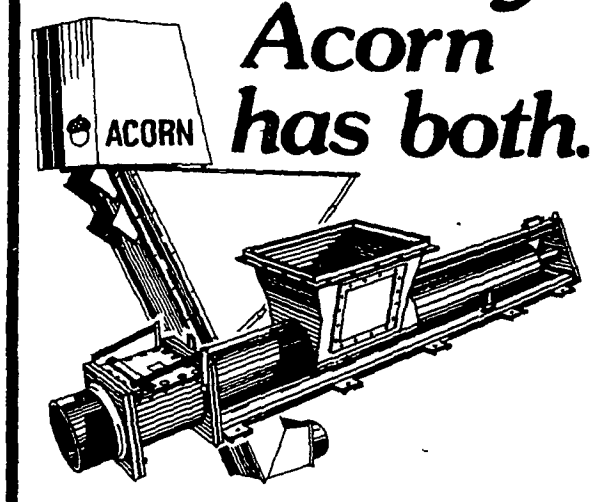

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4-H Hogs

(Continued from Page C2)

reserve champion winner.

In the Delaware County contest, Kim Bryan, Media, was the senior class champion, and Jan Schrader, Haverstown, was reserve champion.

Junior showman and fitting champions were Mark Umberger, Media, champion, and David Peterson, Concordville, reserve champion.

Sponsoring the show's trio trophies were Ken Emery, Glenmoore, and Southeast Production Credit Service of West Chester.

Lancaster-Chester Counties Pork Producers sponsored the champion market and Chester County showmanship trophies.

CHESTER-DELAWARE PIG SHOW

Lightweight 170-195 lbs

1 Chuck Myers, 2, Mark Umberger, 3 David Schroder

Heavy Lightweight 200-205 lbs

1 Judy Petersheim, 2 Lisa Howe, 3 Kevin Shifflett

Medium weight 210-215 lbs.

1 Lois Bagshaw, 2 Alice Bagshaw, 3 Kim Bryan

Heavy Medium 220-225 lbs.

1 Mike Stoltzfus, 2 Scott Stoltzfus, 3 Sam Petersheim

Heavyweight 230-235 lbs.

1 Gloria Petersheim, 2 Matt Stoltzfus, 3 Trudi Marsh

Heavy Heavyweight 240-285 lbs

1 Rod Stoltzfus 2 Pat Mastrangelo 3 Allison Burns

Grand Champion

Gloria Petersheim

Reserve Grand Champion

Mike Stoltzfus

PIG TRIOS

Lightweight

1 Allison Burns, 2 Brian Beam, 3 Sam Petersheim

Heavyweight

1 Rod Stoltzfus, 2 Mike Stoltzfus, 3 Scott Stoltzfus

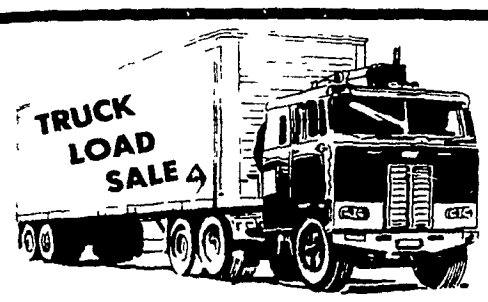
Grand Champion

Rod Stoltzfus

Reserve Grand Champion

Mike Stoltzfus

Ken Emery, left, of Emery's Buying Station, purchased the reserve champion trip for Economy Lockers, Pennsdale. The trio, minus the reserve champion which was sold separately, weighed 445 pounds and was shown by Mike Stoltzfus, Elverson.



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24'x100'	$24.80	$37.20
28'x100'	$28.95	$43.40
32'x100'	$33.05	$49.60
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Flemington Fair opens on Aug. 26

FLEMINGTON, N.J. — Agriculture continues to be the predominant feature of Flemington Fair - the Flemington Agricultural Fair!

There are many, many events and activities that reflect the agriculture and its supporting industries in Hunterdon and nearby counties.

To be sure the horse and pony pulling contests don't relate to present farming methods. They take us back to the day of the work horse on farms. Yes, several teams of horses and ponies are locally owned. Don Alpaugh and sons, Lebanon, and Search DaLrymple, Hampton, participate each year and have for as long as most of us recall.

These events are exciting and enjoyable to watch. Horses and their drivers shoulder loads of up to 5 tons!

The farm tractor pull is an event of farmers and their tractors competing for 30 inch high trophies and significant cash premiums. These tractors are all farmer-owned, stock models... not souped-up, modified in any way. They come from the fields. Some indeed are tuned up for the occasion... and washed.

These events are all activities carred out by a 28-man Farmers' Day committee, headed by Bob Manners, East Amwell farmer. Bob can't say enough for the support his committee gives in the form of time and energy. He also is quick to recognize the contributions of the machinery dealers serving this area, the County Ag Board, and the fair itself.

Farm Tractor Pull, all seven classes, is set for the first Farmers' Day, Tuesday, Aug. 30. The horse and pony pulls will be on the second Farmers' Day, August 31. Both are day-time events and conducted on the track in front of the grandstand.

Woodsmen Compete

Professional woodsmen compete in a day-long series of contests on Saturday, Aug. 27. They are conducted by a committee of local arborists and woodsmen. Elaine Fogerty, County Agricultural Agent, works with that group.

Many 4-H activities, state and county, are scheduled over the eleven days of the fair. There are cattle, livestock shows, competitions of all kinds, a fat lamb sale, square dance contests...name it!

Ag Exhibits

One of the big attractions of the fair, which this year opens Friday, Aug. 26, and goes through Labor Day, is the Main Agricultural Tent, located on Machinery Row. It's a 40 by 160 foot stretch of canvas that covers the grange exhibits, some 8 classes of agricultural commodities, from honey to alfalfa hay, apples to zucchini. There's also baked goods.

The Extension Service office has entry blanks and lists of classes included in the big ag tent. Also available are entry forms for the farm tractor pulls.

The premium book is available at the fairgrounds office and in the Extension Service office.

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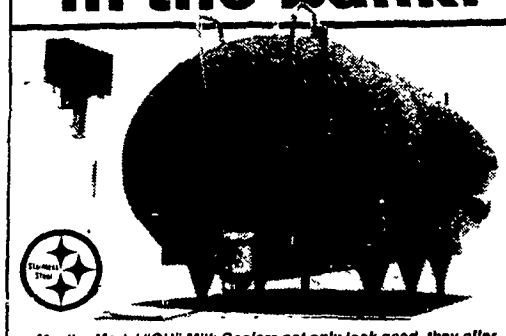

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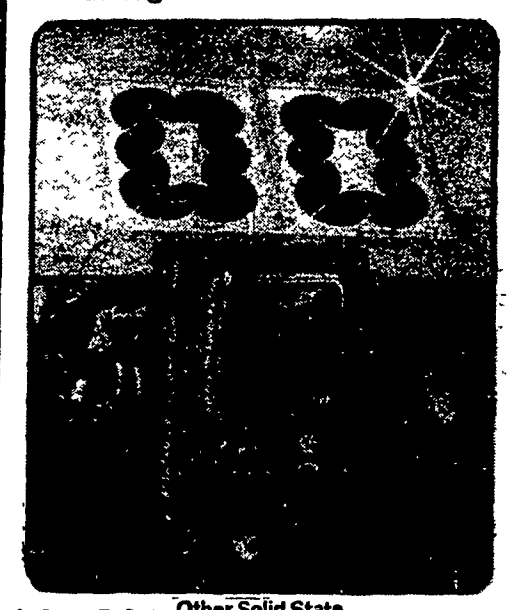

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Millerdale Farms sweep Potter Holstein honors

MILLPORT — Millerdale Farms, owned by Alvin and Donald Miller, Ulysses RD, took top honors in the 29th annual Potter County Beef and Dairy Show, Thursday, Aug. 11, at the Millport Fairgrounds. Millerdale Sensation Sibby, showing in the five years and older class, was named All Breed Champion, Grand Champion female Holstein, and senior champion female Holstein.

As All Breed Champion exhibitor the Millers received a silver tray from Headwaters Production Credit. Millerdale Sensation Sibby also took second place in the best udder competition. The Millers also were named as Premier Breeder and Premier Exhibitor. They also had first places in the best three females category and the dairy herd category.

A total of 96 animals were show in the Open Dairy, and Beef Show including 10 beef animals and 86 dairy cattle.

In the Holstein Division, Pabelle Ace Bridgett, a junior two-year-old, shown by Kenneth Lambert, Ulysses, was reserve grand champion and reserve senior grand champion. Junior Champion Female was Allegen Bell Hazel, a senior yearling heifer, shown by Allegen Farms, owned by Ivan Smoker and Sons. The reserve junior champion female was shown by Ken Risser. First place in junior-get-of-sire went to Thomas and Thompson.

Judged on best udder alone, first place was Ivajen Altitude Doreen, shown by Donald Thompson. In the produce of dam class, animals owned by Milford Holbert, Genesee RD, took the top spot, while Allegen Farms showed the top dam and daughter.

Top bull Holstein calf was Aqua-Lan Tony Chairman Top, shown by Milford Holbert, which was also named Grand Champion Bull. Reserved grand champion bull was Medallion Augustus, shown by Raymond Tomb, Ulysses.

Chosen as the best junior heifer Holstein calf was Phylene Endo Eve Creek, shown by Michael Thompson, Ulysses. Top intermediate heifer was Hill Lea Creek Marathon, owned by Jack Thomas, Ulysses. Millerdale Bennett Wilma was the first place senior heifer Holstein calf. In the junior yearling heifer class Snyder Farms, Westfield, took top honors with Snyders Ace Prudy Prudence. Top senior yearling heifer was Allegen Bell Hazel, owned by Allegen Farms. Dean Erway, Ulysses, showed the top dry cow three to four years old, Melcliff Charmcross Vic. In the dry cow five years and over class first place went to Millerdale Farm with Millerdale Astronaut Select. In the junior two year old class, Kenneth Lambert took first place with Pabelle Ace Bridgett, while the top senior two year old was Jamie Elevation Marvex, also shown by Lambert. Top three-year-old was Millerdale Conductor Ruth. Milford Holbert took first place in the four-year-old class with Mil-Maple Carolyn Sleepy H-Red.

In the Ayrshire Division, Grand Champion was Galney-R-Julia, shown by Georgia Barker, Ulysses. Georgie also took junior champion female and first place senior yearling heifer. Reserve grand champion female and senior champion female was Ash Avenue Honey, shown by Karmen Tomb, Ulysses, which was also tops in the five years and over class. Top cow in the three-year-old class was Ash Avenue Roman's Julia, shown by David Pirrung, Ulysses.

Two Jerseys were shown. Grand champion female and junior champion female was Sundae Lindy of Kountry Delight, shown by Roger Dunn, Coudersport. The reserve champion was shown by Kevin Korn, Ulysses.

Grand champion and senior champion Brown Swiss was Conover Hill Dona Raquel, shown by Roger Prince, Shinglehouse. Reserve grand champion and junior champion female was Conover Hill All Plus Queen, shown by Patrick Prince, Shinglehouse. Their sister, Diane Prince, had the reserve junior champion female, Conover Hill Dana Gertrudis. Patrick took first place in senior yearling heifer, while Roger took first place in junior two-year-old.

In the beef show, females, grand champion was Morning Glory, a summer yearling heifer, shown by Richard Barker, Ulysses. Reserve champion was also owned by Richard Barker and was a Hereford named Wildflower. Richard also won the showing trophy. Janet Matthews took a first place in the senior heifer class with HH Stella Beau.

In the Market Steers Division, the Grand Champion Steer was Red, a Hereford, owned by Luke Crossley. Luke also received the fitting trophy and a first place in medium weight division. First place in the lightweight division went to Judy Erway with her Angus-Holstein George.

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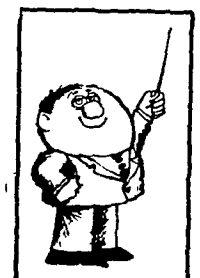
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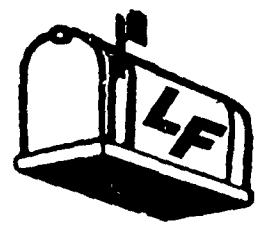

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JD 60 new rubber, very good condition, $2000. 215-356-5305.

For Sale - JD 3690 forage harvester, like new, all hydraulic, 2 row 30" snapper head for high moisture ear corn, 3 recutter screens. 301-875-2250.

For Sale - 1956 Hough 4 wheel loader, model HO22A, $6,800. Myers 500 gallon double blast ag sprayer, mounted on Reo 6x6 army truck, $8,500. 34' Fruehauf self-contained live bottom trailer, $1,900. 2 Smitley range feeders, 4 ton capacity, one good $400, 717-473-3031 8-5 PM 717-473-3852 evenings.

IH, 1066, Excellent Condition, $9,850. 717-284-2761.

For Sale - Hesston 12' Hydro swing haybine, good cond., 215-944-0791.

For Sale - 325 bu. N.I. Spreader, hyd. tailgate, top beater, pan, new web 1 yr. ago $2950. Snyder Co. 717-374-8750.

3300 JD combine, like new, 427 hours; JD 38 harvester w/pickup. Good condition, 814-926-3669.

Old two cylinder John Deere fly wheels rebuilt with our patented steel draw in hub which has the ability to tighten up on new or worn crank shafts. Also available new manufactured unbreakable fly wheels. Allen Machine Works, RD #7, Jonesboro, Tenn. 37699, 615-753-5738 day or night.

For Sale - 1980 AC gleaner, L2 corn plus, 400 hrs. on separator, 6 row narrow corn and 15' grain head, excell. cond., covered storage, $59,000, Warren Co., 201-753-5313.

Trade '82 Dodge Challenger, low mileage for JD 4020. Gettysburg 717-334-6006.

For Sale - one Gehl recutter on Gehl high throw blower; one 2 row mounted AC 170 corn picker, fits D17; one heavy 14' disc with 22" blades in front and tine rollers in back, 717-949-3637, Lebanon Co.

FARM EQUIPMENT

Wanted To Buy- Oliver potato digger. Write to Israel S. Stoltzfus, Kirkwood RD#1 Box 396, Pa. 17536.

NI manure spreader #206, 2 bottom plow, JD disc harrow #24, Fore truck. All in excellent condition. 717-656-8843.

For Sale - Ford 118-4-14" trip plow, new shoes and shins go along, JD disc AW-10', both in good condition, Leb. Co., 717-273-3679.

NH 346 tank spreader w/hydraulic lid, $1400
DENNIS M. MILLER
Rt. 22 Grantville, PA
717-833-1888 anytime
717-469-0937 daily

McCormick corn binder w/loader on steel, guaranteed ready to go. Koehn heat houser tractor, cab and full set of tires off Farmall 450. Also 450 amp Hobart industrial welder, best offer. John L. Stoltzfus, Box 125-B RD#1 Cochranville, Pa. 19330 Chester Co.

For Sale - (New) NH 256 roller bar rake, $1850, 717-768-3197.

For Sale - JD 7700 Combine. 301-885-2450.

Wanted - Caterpillar blade and hydraulic setup for 7UD4. 814-793-4293.

JD 3010 diesel. 814-793-4293.

Oliver 1800 diesel, wfe, exc. cond. 814-793-4293.

JD 720 diesel, wfe, 3 pt. 814-793-4293.

David Brown 1200 Diesel w/loader, 814-793-4293.

JD 4630 Diesel, dual hydraulics, 814-793-4293.

Minneapolis Moline 950 diesel, excellent condition, 814-793-4293.

Oliver 2050 diesel dual hydraulics, original paint, low hours, 814-793-4293.

IH 856 wide front, 3 pt., original paint, 814-793-4293.

Crawler Tractor Parts.
New and Used Parts Available for Cat, Allis Chalmers, IHC, Case, John Deere and others.
Rubber tired construction equipment parts available for Hough, Michigan, Galion and Cat Road Graders.
Call or write for equipment & parts brochure.
VILSMEIER EQUIPMENT INC.
Route 309
Montgomeryville, PA., 18936
Phone: 215-699-3533

Knight model 500 spreader, in excellent cond., 717-872-9152 daytime, 872-2579 evenings and weekends.

Wanted to buy - front end loader to fit IHC 240 utility tractor. 717-687-0102.

Mich. 75 loader, gas power, excl. cond., good tires, front & side dump bucket. Bucks Co. 215-297-8354.

Wanted - 3 row wide Fox corn head, 717-529-2538.

Minneapolis Moline G1000 diesel, cab and air. 814-793-4293.

For Sale - 1978 John Deere model 6600 combine, side hill, 1550 hrs., with 643-6 row corn head and 215 grain platform, Tross Terrains, Inc. Box 511, RD 3, Sunbury PA 17801, 717-286-6411 or 717-286-0215.

For Sale - JD 7700 Combine, 301-885-2450.

1972 White 10 wheeler bulk feed truck, excellent condition. 301-475-2139.

NI (new) 323 corn picker $5600; NI (used) 323 corn pickers $2200 to $3500; NH (new) 310 engine baler, super sweep, chute, wagon hitch $5950, McCormick corn binders (PTO) good cond. $500 to $800; NI 752 crimpers (orange top) $400 to $650, Pequea Machine, 3230 E. Gordon Road, Gordonville, PA 17529, 717-768-3197.

FARM EQUIPMENT

205 IH combine, 13' grain, 3 narrow corn, cab, late model, good cond., 717-758-1739.

Farm-type Cub w/42" center-mount mower, $1900, cultivator and plow available. A few nice Shropshire ewes available. Dauphin Co. 717-545-7005.

For Sale - Gehl 2500 skid loader $1650. NH 276 baler w/thrower, good condition. 717-776-7888.

For Sale - Corbett Sutton corn cob and feed residue saver, fits any self-propelled combine w/straw chopper drive assembly. Save cobs for feed - brand new in crate, $2700. 201-859-2616.

USED TRACTOR PARTS, also rebuilt clutches and torques. We ship UPS. Hill-T Farm Sales & Service, 4295 Richmond Palestine Road, New Madison, Ohio 45346. 513-548-0718.

For Sale - AC model No. 190, 2-row mounted corn picker, $500. 717-433-3269.

Hale irrigation pump, good condition. 717-626-4669.

For Sale - 2 new 5-20 Davis horizontal mixers, with ribbon agitation 2500 capacity, list price $9480, sale price 1 for $3495, 1 for $3995. Tam Agri Corp., Dillsburg, PA 717-432-9738.

Weight transfer machine - professionally built in 1976 N.T.P.A. licensed for all truck and tractors classes, excellent condition, call for more information (717) 435-0404.

Tye 13' no-till drill, exc. condition, with or without transport trailer. 717-263-9577.

JD 4020 Diesel, power shift, roll cab, wide front end, very good cond., $6900, 717-532-8363.

For Sale - 702 diesel or 706 diesel NI uni-tractor, complete w/combine, picker and chopper. 304-263-9801.

For Sale - JD 4010 w/; JD 3940 chopper, 2 RN; 2 Gehl 610 forage wagons. 717-733-0575.

JD 334 snapper head w/adapter for Field Queen, Field Queen 3 row wide corn head. 717-263-9577.

JD 4010 Diesel, wide front, nice cond., 717-532-7054.

For Sale - Case 1175 Diesel, 2100 hours, 4 post roof, excellent, $7200, 215-683-7943.

For Sale - Oliver 1 row PTO potato digger; Lely pull type spin spreader; NI 10' Easy-Flow fertilizer drill, like new. 717-687-0102.

34 5"x40' irrigation pipe, Champion and A&M, $50 each. Briggs Brothers, Box 260, Perrineville Rd., Hightstown, NJ 08520.

707 NH harvester, reconditioned. 717-367-2117.

Used model 91 IH self-propelled combine w/10' grain head, w/hume hydraulic lift reels. 717-423-6110 Franklin Co.

For Sale - Wagner 2 H.P. heavy duty electric motor, 1750 RPM, one phase, new bearings. Also 250 sq. ft. of 2"x6" yellow pine tongue and groove flooring. 717-637-8834.

Farmall BN tractor w/cultivators, $650.
DENNIS M. MILLER
Rt. 22 Grantville, PA
717-833-1888 anytime
717-469-0937 daily

International TD340 crawler tractor with one bucket and ripper, disassembled, needs engine, $2800, 215-582-2197.

NH 489 haybine, new, never used, double action cylinder and additional knife included, all brand new, after 6 PM, 301-898-7097.

For Sale - silo fillers, knives, parts and belting, Daniel Miller, 28226 Stumptown Road, Bird-In-Hand, PA 17505.

FARM EQUIPMENT

NH 320 wire baler, excellent condition. 301-758-0601.

IH 815 combine diesel 4-row corn head 30" 13' grain head, hydrostatic drive, corn & soybean special, A1 condition. 215-689-9376.

JD 4020 power shift, dual hyd., 814-793-4293.

JD 4230 4 post roll guard, dual hyd., 2000 hours, 814-793-4293.

Oliver 1600 diesel, wide front, 3 pt., 814-793-4293.

Oliver 1800 Diesel, wide front, $3500, 814-793-4293.

JD 4010 diesel, wide front, excell. cond., 814-793-4293.

JD 730 diesel, electric start, wide front, 3 pt. hitch, 814-793-4293.

JD 4020 72 model, dual outlets, 2300 hrs., excellent, 814-793-4293.

JD 3020 Diesel, wide front, dual hyd., 814-793-4293.

Oliver 1850 diesel, dual hyd., wide front, 814-793-4293.

JD 4020 with hinker cab, air cond., original paint, low hours., 814-793-4293.

Ford 5000 Diesel, 3 pt., wide front, 1900 hrs., 814-793-4293.

For Sale - 30' hay and grain elevator, also NH 36 crop chopper, 717-362-9233.

Oliver 1950T cab and air, dual hyd., original paint, 814-793-4293.

For Sale - used Acorn barn cleaner for parts, 717-345-4329, Schuylkill.

Wanted - JD one or two row potato digger 914-258-4772.

For Sale - Moridge Grain Dryer #275. Can be seen in operation $2200. 215-857-2433.

Irrigation pump 8x6, 4x40 pipe and sprinklers. Trenton, NJ. 609-259-2802.

For Sale - 2010 John Deere Crawler-Loader $6,500. Fulton County Phone 717-485-4876 or 573-2539.

6600 John Deere Hillside combine, excellent condition, $17,500. 219-862-2151.

JD Cyclone A tractor, good cond.; 2 bottom 16" JD plow pull-type with hydaulic; IH disc 8', drag type, best offer, 215-723-2750.

1976 Gleaner Diesel combine model M 15' grain head with Hart Carter Floater and wobble box, excellent cond., field ready, $19,500, 609-859-2381.

For Sale - VAC Case Tractor with cultivators, 3 point hitch, good rear rubber and engine $700. Franklin Co. 717-349-2300.

For Sale - PT7 Hesston windrower, good condition $2400. or best offer, 323 one row New Idea corn picker $1000. or best offer. Call 717-367-7500.

JD 6600 combine, with or without heads. 215-944-0126.

For Sale - Int. corn binder with wheel set out and Long carrier. Jonathan Herschberger, RD 3, Quarryville, PA 17566 Lancaster Co.

JD 4010 diesel, wide front, new tires, excellent condition. 301-877-9889.

For Sale - IH 815 combine, 4 row narrow, 13' grain platform, just overhauled, $13,500; Same Buffalo tractor 600 hours, 717-272-5527 or 273-2910.

AC WD 45 diesel engine parts; used Gehl round baler; wanted- D17 gas engine, 412-423-4076.

IH 915 combine 6-30" 763 corn head 15' flexbar grain head. 717-258-3967.

Wanted - 12' offset disc under $2500. 18' truck bed. For Sale - 14' Brillion cultimulcher, $900. Hershey 717-534-1253.

FARM EQUIPMENT

For Sale - 555 IH 2 row chopper. 215-384-4140.

WF

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40 to 160 HP
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F.Q. 7655 Side Dump
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Fox 6354
Fox 3310 pull type
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UFT 14' Dump Wagon
JD 716A Fg. Wagon Tandem (Demo)
1802 Uni w/Harvester

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Hesston 4800 Big Square Baler
Hesston 4600 Baler
Hesston 1014 +2 Hydro Swing Windrower
Hesston 1091 9' Windrower
Kuhn S C55 6'7" mower conditioner
Kuhn GMD 66 Disc Mower
Hesston 9' Rake

USED TRACTORS

Oliver 1850 w/cab
Oliver 1850 tricycle
Ford 9N
Ford 6000 Dsl.
Farmall M
Farmall 240
Case 1210
Case 430 w/Loader
JD 2440 w/loader
JD 60 w/loader

Used Hesston 4800 Big Square Baler

USED HARVESTERS

MF 750 Combine 6R & 131 Grain Head
701 Uni
702 Uni
727 Husker w/3RN Head
Fox Super Dw/2R Head & Pickup
Fox 3310
Fox 2000, 2 RN Head
Fox 299 80" Flail Head
NH 770 Elec. Controls 2R Head & Pickup
IH 830 w/3 row head and pickup

USED EQUIPMENT

White 5100 6 Row Planter Dry Fert & No-till
AC 4R Planter
NI 710 Combine
NI 725 3R Head
Wanee 20' Field Cultivator
JD 216 Wagon, 3 btr. & roof.
NH 320 baler w/thrower like new
Gehl 810 & 910 Fg. Wagon, 3 btr. & roof
Bale thrower wagon
3 pt. backhoe
Schwartz 760 mixer wagon w/scales
Farmhand Recutter Blower
Hesston 1014, 12 Ft. Hydro Swing Windrower
JD 2280 diesel 14' windrower
Westfield 744 auger PTO
J&M 200 Bushel Bin Wagon w/10 Ton Gear
Walsh 500 gal. skid sprayer w/30' boom
20.8x38 Axle Duals for AC 7040.

STOLTZFUS FARM SERVICE
Cochranville, Pa.
215-593-2407

FARM EQUIPMENT

MF silage blower, 56", like new, 717-626-6164.

AC F Combine 1974-13' grain head with generation 3 knife and 4 row 30" corn head; AC D21 with 7 bottom plow; AC WD 45; AC 21A field cultivator with Mid-West harrow; International model 58 8 row planter; Farm Fan model 350 batch grain dryer/augers; Chevrolet truck-12 ft. van-1960; 4 row cultivator for AC tractor, back mounted. Call after 5:30 609-259-3733.

TRACTORS

- Case VAC
- Case 930 Tractor "CK"
- Case 995
- Case 430
- David Brown 990 w Loader
- Oliver 500
- Oliver 1755
- Oliver 1655
- White 2 105 Tractor
- Farmall M with NI 2-Row Picker
- Farmall C w/cult & Loader

LOADERS

- Case 1737 Skid Loader
- Case 1740 Skid Loader
- Case 1816 Skid Loader
- Case 450 Crawler Loader
- Case 450 Crawler Dozer
- Dunham Lehr No. 22 Loader
- Int 3200 Skid Loader

TILLAGE

- Case 6-Bot. Plow, 20"
- Case Disc Harrow, 10'
- Oliver 2 Bot. Trailer Plows
- Used Cultipacker

HARVESTING EQUIPMENT

- MF 72 Combine
- Case 600 combine w/3-Row Head
- NI Unisystem 702 Tractor, 710 Combine & 760 Harvester
- NI 709 Uni-System
- NI 315 Gathering Unit
- NI 316 Husker
- NI 315 Sheller
- NI 729A Sheller
- NI 731 4-Row Head
- NI 767 Super Chopper
- NI 737 Cornhead
- NI 323 1-Row Cornpicker
- NI 2-Row Cornpicker
- Int. Mtd. Picker, 2 Row
- IH 550 Harvester
- Case 300 Harvester
- NH 717 Harvester
- Gehl 1200 Harvester w/pickup and 2-row cornhead

HAY EQUIPMENT

- NH 479 Windrower
- NH 1002 Stack Wagon
- Hesston PT 10
- Hesston 1090 Windrower
- Dump Rake
- Bale Thrower Wagon
- Case Hay Rake
- NI Hay Rake
- NI 456 Round Baler
- JD 241 Baler w/thrower
- Used Running Gear w/Self Unloading Box

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- Ford 4 Row Corn Planter
- IH 400 Corn Planter, 8 Row
- 8 Used Spreaders
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Hesston 1090
Windrower
2 Year Warranty
Demonstrator
$4,900!

ZIMMERMAN'S FARM SERVICE
Bethel, PA
Phone 717-933-4114

FARM EQUIPMENT

4230 JD, dual hydraulics, differential lock, quad range, $11,500, 609-455-3462 or 609-769-4025.

For Sale - JD 350 Diesel loader with cage, new tracks, good cond., 717-626-5678.

For Sale - 6 cylinder TD 9 with 4 in one loader, nice cond., 717-626-5678.

JD 4020D syncro-Range, side console, wte, dual hydraulics, good condition, $8200. 717-229-2522.

'74 JD 4230 tractor, 2700 hours, dual remote, tricycle front end, $9700, 717-354-8859 eves.

NI 2R Picker $3000
NH 489 Haybine .. $5250
NH 770 Harvester 2R $4200
AC 340 RN. $2000
All in good to excellent condition.
WENTZ FARM SUPPLY
Palm, PA 215-679-7164

JD 4020 diesel side console, power shift, wide front, dual hydraulics, good condition, $9000. 717-229-2522.

For Sale - NH 818 harvester 2-row corn and pickup heads, good condition, field ready. 717-458-4334.

For Sale - Irrigation pump Ingersoll - Rand 623-GPM 350psi, A-B Farqhur sawmill, hench, Drumgold carriage, Frick 3" Babbit bearing, mandrel accessories. 717-872-7289.

IH 3400 Backhoe Loader, Case 450 Crawler Loader. 717-933-5734.

2640 JD, differential lock and roll guard, 15.5x38 tires, $9100, 609-455-3462 or 609-769-4025.

JD 4430 dual hydraulics, excellent condition, no cab, reasonable price. 717-229-2522.

Farm Equipment sale by owners. One NH - Super hayliner, 78 baler, one Donahue - 28' flatbed trailer, one chuck body trailer - ½ ton, one JD cutter mulcher, one Deutz - D 6806 diesel tractor, one IH - #990 haybine, one Ontario grain drill - 1978, one IH - 710 automatic trip - 6 bottom plow, one Sunmaster 12' flail chopper, one IH - side bar cutter - w/extra blade, one Vicon - acrobat - 12' - windrower, one - 400 gallon - PVC - liquid fertilizer tank w/steel saddle and base, 2 Snyder - PVC - 1500 gallon liquid fertilizer tanks w/flat bottom, one Banjo - PVC ball valve and hose coupling adapter, one automatic equipment #F6 - automatic scale, 2 Mayrath - 3" - 25' grain augers, one sewage tank - 2000 mounted on old truck, one old cultimudder for parts only, 3 construction of agriculture storage trailers, 28'-35', one Deutz - D 13006 - diesel tractor w/tandem rear wheels, one grain dryer, Farm Farrow Inc. damaged by fire, parts or rebuilt or convert, three 275 gallon fuel tanks w/hand rotary pump, one trailer w/ball hitch for small equipment, one Glencoe - soil saver - chisel plow - 7 tooth good rubber, one 10' grain auger, one Hutchmaster - heavy duty - offset disc, 2 piece metal bridge deck 6x16', one piece metal bridge desk 4x6', 9 Agstar #BB-80 hog feeders, two 4 hole, one 6 hole, six 8 hole, thirteen 4' stainless steel hog gates and fence sections, one 10' steel hog gate and one 12' steel hog gate, one hay wagon 6'x16', 6 wheel weights, one 4'x4' welding cable - 1" thick steel top, one Paty - model 181 manure spreader, large assortment of truck tires w/rims, one Mustang - Series 1000 - 4WD front end loader, one Schram air compressor w/jackhammer, one Little Giant - 28' elevator w/motor, one Feedmobile - truck mounted. All equipment reasonably priced. Call 717-684-0783. If no answer call 717-684-

FARM EQUIPMENT

NH 770 harvester with 2 row wide head, 717-354-8859.

For Sale - Wide row corn snapper head for NH 890 chopper, excellent condition. Frederick County 301-874-5725.

NH forage harvester, 2 row wide corn head, new knives. 215-869-9729.

14' Grove hydraulic forage wagon - heavy duty running gear, $1200. 717-548-2760.

For Sale - 767 Super chopper; 768 wide narrow corn head. York Co. 717-862-3682.

Late model AC forage blower, hopper type w/long table extension. 717-872-4058.

MM G1000 D, 4 new tires, needs engine work, $2250/offer. 301-833-9091.

Farmall Cub w/belly mower; IH 500E Crawler-Loader w/ROPS, 250 hrs., like new; Cat 933G Loader; 6 ton Tag-Along Trailer. 717-933-5734.

F/S 3 Pt. Hitch Equipment; NH 450 7' sickle Bar Mower $775; Mott 5' Flail Mower $525; Case 3B Plow $350; 5' rotary mower (demo) $525; MF 2B 16" Plow $325; All equipment is in good to excellent shape. 717-687-0102 Lancaster Co.

FARM EQUIPMENT

180 AC Diesel, 1829 hours, real clean, $6100, 609-455-3462 or 609-769-4025.

For Sale - #9 IH ensilage cutter, 16" Papec ensilage cutter, both in good condition. Leroy B. Esh Hardware 717-768-3681 or 768-8677.

Ford diesel 3400 loader tractor, 40 HP and 3 pt. hitch, $3400. Also Superior front end loader, $400. Berks Co. 215-670-0584.

For Sale - 2 row corn picker, Oliver 73 H wide row, good cond., $600, Franklin Co., 717-532-3989.

NI #311 two row corn picker; NH forage wagon; 1 row JD corn head, 4 row MF #44 corn head; 10' Eby cattle body. 215-965-6363.

Ford Jubilee Transmitation Case busted, best offer. 717-456-7247 or 717-456-5712.

NH forage wagon, #8, $2250. Badger 3 beater forage wagon, $850. 301-348-5383.

NH #8 forage wagon, metal box with 3 beaters and roof, 717-354-8859.

For Sale - JD 7700 combine, diesel, air cond., good paint, clean, field ready, must sell, can arrange hauling. 215-756-4341.

FARM EQUIPMENT

For Sale - MF 410 combine, 13' platform, narrow corn head, wide corn head, grain head, good condition. 717-658-3518.

NH 256 hay rake, Homemade wooden hay rack, 18' long, 215-286-6059.

IH combine, model 403 w/cab, 13' platform head and 2 row corn head, rebuilt engine w/only 100 hours. 717-637-3751 extension 261 Monday through Friday between 8 AM and 5 PM.

For Sale - Farmall 340 row crop tractor with narrow front end, fast hitch and power adjust. rear wheels, recently overhauled, in excellent cond. Also for sale wide front end to fit the above tractor, 215-765-0479 eves.

MF 410 and 550 combines, 13', 15' grain heads, corn head with corn saver, 609-259-7492 or 2484.

Number 443 narrow row 4 row corn head for JD 6600, $4800, 215-869-9111.

JD 3020 diesel; 656 Int. diesel; 642 Bobcat skid loader, used 1 yr.; double chain taper board feeder; 469 haybine; 218 New Idea manure spreader with hyd. endgate, tandem axle, 1830 Oswalt ensilmixer with scale, trailer. Lebanon 717-866-6081.

FARM EQUIPMENT

M&W turbo- kit for 1085 Massey, used 1 yr., $450. Block, parts from Farmall 450G engine, two rear liquid filled tires $90@. Starter, brakes, carburetor, $50@. radiator $130, standard hitch, gas tank, $20@, internal gears and TA parts, Berks Co., 215-683-3094.

Wanted - burned, rolled or fire damaged combines and tractors. Prefer JD, 1970 or newer. Will pay cash. For offer call 215-756-4341.

For Sale - used JD 3 row snapper head, will fit forage harvester or combine, excellent cond., $4400, Lebanon, 717-273-6036.

For Sale - Farmall 460G, FH, L PTO, WF, Hinson cab, fair cond. $2000 would sell cab and WF; IH 16 1 row chopper $350, MF 61 cut/ditioner $500; NI 213 spreader needs work $300; 2 Surge #50 pail units, 2 Surge timers $100. Call 301-452-8646 between 8 and 10 p.m.

For Sale - 227 IH 2 row wide corn head, $1250. Adams Co., 717-624-7674.

For Sale - one reconditioned two year old NH 707 harvester, good cond., Lancaster Co., 717-367-7831.

LANCASTER SILO CO., INC.

SUPREME "SS" TURBO-VANDALE MAGNUM - SILO UNLOADERS

2008 HORSESHOE ROAD
LANCASTER, PA. 17601

"LANCASTER" CONVEYORS
TAPER BOARD FEEDERS
BELT FEEDERS

"LANCASTER" CONCRETE STAVE SILOS
WE HAVE NOT INCREASED OUR PRICES SINCE FALL OF 1981.
LEASING IS AVAILABLE FOR 3-5-7 YEAR PROGRAM.
BETTER TALK TO US BEFORE YOU BUY!

"SUPER" SPECIAL:
1 - 24x75 LANCASTER SILO COMPLETE (5 YEARS OLD)
1 - 24' VAN DALE MAGNUM SILO UNLOADER (3 YRS OLD)
BOTH UNITS INSTALLED $19,000.00

1 - Used 10x50 Ribstone Silo
1 - Used 12x50 Lancaster Silo
(Call our Office For Details)

NOTICE: In our drouthy areas corn is not earing-up properly, and it is drying down very rapidly. One way to salvage the drouth-stricken crop is to ensile it. For good fermentation, the crop should be ensiled at 60 to 65 percent moisture.

It is going to be difficult to estimate the moisture content of the crop accurately. Stunted plants, with good ear development, may be drier than usual. However, plants with little or no ear development, may run higher in moisture than your eye may lead you to believe. Once most of the leaves below the ear have dried up and died, moisture content could drop rapidly. To keep on top of the situation, observe fields frequently. In deciding when to cut, consider the condition of the whole field, and of nearby fields which you might be ensiling at the same time. The higher moisture content of the greener areas will help offset the lack of moisture in the drier corn, but to be of benefit, it should be mixed thoroughly.

"NEW" MODEL SS428 TURBO RING-DRIVE SUPREME SILO UNLOADER.

CHECK THESE NEW UNLOADER FEATURES
STAINLESS STEEL - 4 PADDLE BLOWER.
STAINLESS STEEL SPOUT LINER
STAINLESS STEEL SHIELD COVERS
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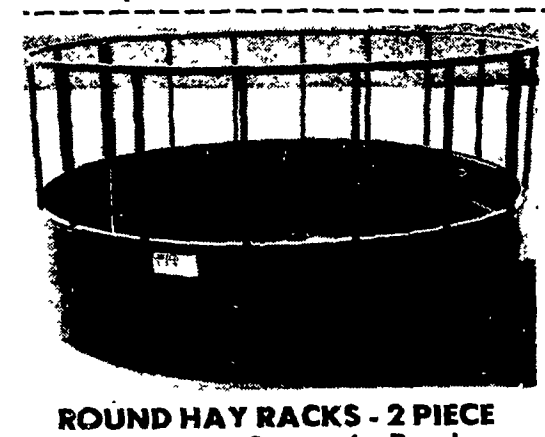
SUPREME RING-DRIVE OR SURFACE DRIVE UNLOADERS IN STOCK.

AT THE HEART OF EVERY "TURBO" UNLOADER-28" STAINLESS STEEL BLOWER. STAINLESS STEEL PREVENTS PLUGING AND GUMMING OF WET STICKY HAYLAGE.

25 Used and Rebuilt Silo Unloaders In Stock. If you need a good unloader, come look at our selection. All brands in stock. You can buy AS IS or rebuilt. Biggest selection of new and used unloaders in Penna.

SPECIAL: 5,000 Ft. Irrigation Pipe complete with all attachments - (Call for Details - Ask for Paul)

1 - Demo - Van Dale #C-1800 Manure Agitating & Filling Pump w/Suction Hose & Filler Pipe (ask for Paul) $1700.00



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18 Openings - Can use for Regular or Large Bale $149.00

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CALL 717-299-3721
LARRY HIESTAND - OFFICE
WAYNE LLOYD - SALES

FARM EQUIPMENT

JD sidehill #6600 6 row combine w/#213 grain head and 6 row corn head, excellent condition. 717-755-0313 or 717-684-0783.

John Blue sprayer, 30' booms, like new. 717-755-0313 or 717-684-0783.

For Sale - 1975 MF combine 750 with cab, heater and air conditioning, hydrastatic with 354 turbo charge engine, can be bought with or without corn and grain head, priced right, must sell. 215-944-7453.

JD #7000 conservation 6 row cornplanter, 2 yrs. old, like new. 717-755-0313 or 717-684-0783.

NH 355 grinder mixer, exc. condition, like new; NI 323 cornpicker, exc. condition. 201-879-5851 days, 201-584-5054 eves

For Sale - Int. #56 forage blower, good condition, $650. 215-383-6818.

FMC 2 row potato harvester, self-contained hydraulics w/Wisconsin engine, good condition, $1200 or best offer. Lebanon Co., 717-866-2525.

For Sale - NI 733 2 row wide uni stripper head, excellent $1000; Grove self unloading unit with 2 false endgates $100. Adams Co., 717-677-8789.

Fox 2 row corn heads, 1 narrow, 1 wide; Fox elec. knife grinder. 717-548-2877.

For Sale - JD #8 1 row forage harvester with new knives $200. Wanted - late model Gehl forage box without wagon gear, in good cond., Lancaster Co., 717-665-7434.

60' Clay belt bunk feeder, good condition; 16 tomato beds. 717-423-6722.

For Sale - irrigation 4" PTO pump, 1500' of pipe, 17 sprinklers. 717-683-5554.

For Sale - MC#9 cutter, Gehl CB600 harvester, MC PTO corn binder, Denlinger cutter, NH 455 mower, NI 751, 752 crimpers, AC crimper, VE 4 cyl. Wisc. engine, Nicholson tedder, JD spring harrow, JD Disc, Oliver plows, NH 256, 55 rakes, Vicon spreader. Sam K. Zook, Kirkwood, PA. 17536 Coopers Dr. Lancaster Co.

FARM EQUIPMENT

W-W 18x10 heavy duty roller mill, belt driven w/4 cyl. Wisconsin engine, exc. cond., first $1800 or best offer. Will consider selling sep. Lanc. Co. PA 717-529-2723.

For Sale - John Deere 3020; 2 Grove hyd. drive forage wagons, 3 beater and roof, exc. condition; new 1830 Oswalt trailer; mounted Ensilmixer with scale; 218 New Idea manure spreader with hyd. endgate and tandem axle; 269 New Holland haybine. Lebanon Co. 717-866-6081.

1976 MF 760 combine, 20' grain head, 6 row 30" corn head; 13' and 17' MF chisel plows; 20' Kewanee disc; 22' Brady field cultivator. 301-778-0935.

For Sale - 2 row narrow corn head for Gehl CB600, CB700, CB750 and CB1000, good condition, $500. Evenings after 7:30 717-277-6235.

For Sale - Cub 154 LoBoy 60" mower $2400, 717-229-2346.

3 Gehl self unloading boxes on International Co-190's trucks, one 16 ft., two 14 ft. Call after 6 p.m. 814-886-2870.

JD 237 multi lube 2 row cornpicker, will mount for you. Harford Co. 301-692-9564.

32' boom trailer sprayer, $500. Ford forage harvester, 2 row corn head, direct cut, pick up heads, $600. Ford 3 pt. heavy beam, 3 btm. 16" plow, $500. Columbia Co. 717-784-9458.

For Sale - TMR feed mixer, electronic scales for exact weighing. Excellent condition. Call for details. 717-758-2136.

Case 870, power shift, gas, 2200 hrs., very good, $6000. 717-759-8567 Berwick.

IH 1086, rops, twin outlet, new rubber, 2800 hours, $12,500/offer, 301-833-9091.

Woods 320, 20' mower, W-cylinders, $3500/offer, 301-833-9091.

IH 986, rops, twin outlet, 1820 hours, excellent cond., $13,500/offer, 301-833-9091.

1976 3500 Int. diesel backhoe/loader. 814-696-0868.

440 JD crawler/loader. 814-696-0868.

FARM EQUIPMENT

1973 Int. 1066, cab and air, 2600 hrs. 814-696-0868.

450 JD dozer, 6 way blade, good condition. 814-696-0868.

1976 580C Case backhoe/loader. 814-696-0868.

For Sale - rebuilt 4 cyl. Wisconsin engine. 717-374-8965 after 6 PM.

16' Deluxe Grove wagon, used for baled hay or silage, $900. 717-464-2894.

1486 w/cab and air, 750 hrs., new condition, 20.8x38 tires; 890 NH harvester w/elec. controls w/adjustable 2 row corn head and pickup attachment, orig. knives; NI model 325 2 row narrow cornpicker w/sheller bed, exc. condition. 703-896-7664.

TRACTORS
Case 930 Dsl, WFE
MF 175D 8 speed
MF 135G
JD 2010G
AC D17, PS
Farmall Cub w/mower
Ford 9700 Dual Power
Ford 8000 Tractor
Ford 7000 Fully Equip.
Ford 5000 D
Ford 4000, line PTO
Ford 3000 8 Speed
David Brown 1200
David Brown 780
Satoh 650 w/mower
Satoh Elk w/mower
NI 310 cornpicker
NI 323 cornpicker
JD 18' wing disc
MF 33 Grain Drill
NI 206 Spreader
NI 216 Spreader
JD #25 Combine
Ford 501 Mower
Ford 532 Baler
MF 6' Rotary Cutter
NI 402 rake

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Ford CL40 skid loader
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IH model 153 4 row cultivator, IH model 58N 8' disc, 2 row cultivator mounts on Farmall C, Dellinger model H hammermill, portable belt driven air saw on wheels, 50' tractor drive belt, PTO operated feeder and 6 volt electric seeder, 10 electric motors of assorted sizes, many other farm items and tools, 215-666-5410, after 6 PM.

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NH 510 spreader, 163 bu., 3 btr., nice cond.
2-NH 770W pickup heads, fits 770 or 717 harvester.
NH 478 7' haybine, sharp cond.
NH 276 baler w/super sweep & #58 thrower
Int. 56 blower
IH 1486 new TA w/18.4x38 tires, 540 & 1000 RPM, dual outlets & canopy, $11,200
JD 4320 diesel, $8200
NH 851 round baler, clean, $5100
Hesston 4500 square baler
NH 273 baler w/super sweep pickup & 54A thrower, $2650
NH 3 row narrow row corn head for 880 or 890, $1400
JD 3010 gas, narrow front end $3000
NH 890 harvester w/narrow row head $3000
JD FBB 10' grain drill, $550
JD 1209 9' haybine $1800
NH 26 blower, $600
16' bale thrower wagon, 6 ton gear, $925

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2-55 tractor
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598 6 Bot. SAR Plow
435 Conservation Chisel Plow
5100 4-Row Planter, Dry Fert.
5100 6-Row Planter, Dry Fert.

GEHL-
CB 1000 For. Harv. w/2-Row Corn Attach. & Hay Attach.
WR 204 Finger Wheel Rake, 3pt. Hitch
BU 960 For. Box, 18 Ft., Steel Sides
BU 960 For. Box, 16 Ft., Wood Sides

NEW IDEA-
No. 213 Spreader
No. 245 Spreader
No. 352 Spreader
No. 353 Spreader
325 Cornpicker w/327 Husking Unit
507 Mower Cond.
509 Mower Cond.

KUHN-
17' Gyrotedder

USED EQUIPMENT
New Idea 213 Spreader 3 Beater
New Idea 218 Spreader
FB 88 Gehl blower
Oliver 252 Disk Harrow 11'6
Gehl 95 Grinder Mixer
Gehl CB600 For. Harv. w/2 Row Wide Cornhead

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IH 1150 Grinder Mixer w/scales like new
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AC D17 Diesel
Case 2290, like new
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JD-BW DISC
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MOTT MOWER - 48 In.
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JD 494A Planter
JD 694A Planter
JD 4400 Combine
JD 105 Combine
JD 7000, 8 row, 30" corn planter w/Liquid Fertilizers and Monitor
JD 1250 corn planter
Oliver 5x16 Plow
JD 1250, 4 btm. plow
1-JD AW disk harrow, 14'

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JD 415 Rotary Hoe
JD 347 W Baler
JD 7100 8-row 20" bean planter
JD 950 - 12 Ft. Roller Harrow
JD 7000 - 4 Row & 6 Row Conservation Planter
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JD 45 Blade - 7 Ft.
2 - JD 506 Gyramor
2 - JD 606 Gyramor
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JD 730 Gas
IH 1086D Cab and Air, 1500 hrs., 20x38 Tires, Very Nice
IH 1566 D SOLD Cab & Air, 20x38 Tires, very nice
IH 1466 Dsl. w/Cab and Air
IH 1066 Dsl., Cab, Air, Black Stripe, Very Nice
IH 1066 Dsl. Red Cab and Air
IH 766 Diesel, WF, very nice
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JD FBA 17x7 grain, grass, fert.
IH 1016 opener grain, grass, fert.
JD 8350 18x7, double disc, grain, grass, fert., like new

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JD 336 w/thrower, very good
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JD 336 Wire w/thrower
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JD 16A Flail Chopper
NH 890 w/2RN Head
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JD 3 row 30" row crop head

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JD 300 Husker, 2 or 3 row head, wide or narrow
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NI 323 1 row
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NH 319 2R Mtd. w/husking bed

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1980 NH TR70 cab and air, hydro 3208 cat dsl. 700 hrs., like new w/15' Flex Grain Platform
1979 JD 4400 Diesel, cab and air, 700 hrs., like new
1978 JD 4400 Dsl., Cab and Air, choice of heads
1978 JD 6600 Dsl. Hydro, Cab & Air, very nice, choice of heads
1976 MF 510 G, Cab & Air, Choice of Heads, Excellent
1976 JD 6600 Diesel, si SOLD l, cab & air, choice of heads
1973 JD 4400 Gas, Cab and Air, Choice of Heads
JD 3300 Gas w/cab, choice of heads, very nice
1978 MF 510D cab & air, very nice, choice of heads
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IH 720 4x18 sp. reset
IH 710 6x16 Spr. Reset
IH 710 5x16 Spr. Reset
IH 710 4x16 Spr. Reset
JD 2500 5x18 Sp. Reset

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Uni 717 Combine
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Ford 12' Offset Disc Harrow
MM 4B Semi Mtd. Plow
White 508 4x18 SAR Plow
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IH 1066 tractor w/cab
AC 5050 w/700 hrs.
1 JD double disc grain drill
Ontario grain drill
IH 175 spreader
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IH 1460 combine
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1420 combine, demo	#50 Shredder

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IH 424	JD 2 row potato digger
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Mayrath auger 6"x27'	IH #37 baler w/thrower
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Case DC
Satoh 650 w/loader
JD B
AC WD w/mid mount mower
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900 SOS Gas

EQUIPMENT
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Bearcat #72 Flail Chopper
NH #36 Flail Chopper
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234 4WD
244

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540 spreader
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AC WD

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IH 37 Baler w/thrower
MF Model 3 Baler w/thrower
AC 303 Baler w/thrower
AC Hay Rake
MF 3 pt. Hay Rake
NH 36 Crop Chopper

Miscellaneous
Imco 6' Rotary Mower
MF 468 4R Planter
NH L-35 Skid Steer Loader
Gehl 2600 Skid Steer Loader
NI 214 Manure Spreader
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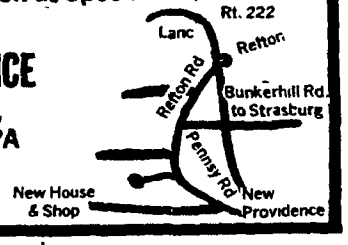

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* NH 1890 Self-Prop. Cab, A/C, Cat. eng., 3RN & 7' P.U.
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* JD 7000 12 Row Front Folding Planter
* JD 400 Rotary Hoe 20'

USED COMBINES

* JD 7700 Hydro Rotary Screen
* JD 16' Rigid Platform
* JD 220 Flex Platform, like new

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* JD 27 Flail Shredder
* 16.9x28 Duals
* G.E. Electrack Mower
* JD 212 12 h.p. Mower
* JD 214 14 h.p. Mower
* JD 57 SOLD 7 h.p.
* AC B112 12 h.p. Mower

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301-755-6608
Evenings Call Gary 301-885-2248 or Billy 778-6024

NEW EQUIPMENT SPECIALS

"Exceptional Buys on This Equipment"

JD 4440 Tractor w/SG & QR	$38,000
JD 4040 Tractor w/RG & QR	$27,500
JD 3940 Forage Harvester w/2 Row C.H.	$13,250
JD 235 Disc Harrow 19' 11"	$11,500
JD 1010 Field Cultivator 18½'	$4,500
JD 7000 6RN Consv. Planter	$12,500
NH #8 Crop Carrier w/roof	$5,750
NH #28 Forage Blower	$2,700
NH 782 Forage Harvester w/824 head	$13,500
NH 38 Crop Chopper	$4,400
NH 311 Baler w/75 Thrower	$8,500
NH 679 Manure Spreader	$6,250
NH 795 Manure Spreader	$10,000
Glenco SSP 7B Soil Saver	$6,200

USED EQUIPMENT

JD 4020 Tractor
JD 2040 Tractor
IH 966 Tractor
JD 643 Corn Head (slightly used)
JD 3800 Fg. Harvester w/2 R Wide & Pickup Heads
NH 7700 Fg. Harvester w/2 R Wide Corn Head
Fox 3000 Fg. Harvester w/pickup and 2R Wide Corn Head
Fox Custom 90 Fg. Harvester w/2R narrow corn head and pickup
Schwartz #860 Mixer-Feeder wagon

WAIVER OF INTEREST ON MANY ITEMS

I. G. SALES

DeLAVAL JAMESWAY
Silverdale, PA 18962
215-257-5135
Quonset Buildings

MF Massey Ferguson

FIELD QUEEN FORAGE HARVESTERS

GOOD USED EQUIPMENT

Tractors	Loaders
AC D17	Gehl HL 3510
MF 165	Gehl HL 2600
MF 285	Gehl HL 4400
MF 1080	Gehl HL 4400 Diesel
MF 1130	Gehl HL 4600
MF 1105	Sauder to fit JD 2010
MF 2705 cab, 700 hrs.	Kelly 600 to fit 165 and 175
MF 1150 w/cab	Loader Farmal M
Oliver 1850 gas	NI to fit JD
Oliver 77 Diesel	Farmall 450 diesel
Oliver 770 Diesel, original tires	Farmall M

COMBINE

MF 300, cab
MF 35, SP
MF 540, 13'
MF 510

BALERS

2-MF 12
JD 14T
IH 430

CORNHEADS	FORAGE HARVESTERS
Hesston 2R 34	Gehl CB 400
Hesston 2R 38	Gehl CB 600
Gehl TR 600	Fox 2000
Gehl TR 680	Hesston 2000
Gehl TR 3038	JD 35
Gehl CA 670	

NEW EQUIPMENT

Hesston 6650 12"
Hesston 1014 12"
MF 550 hydro.
Field Queen 7650

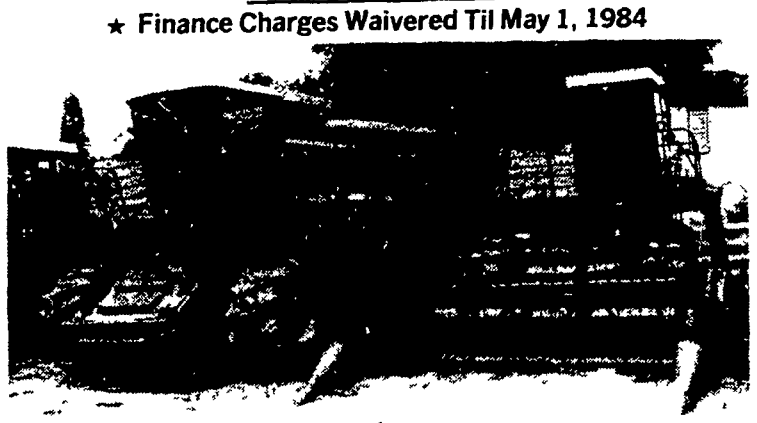
Longenecker's, Inc.
At Clappertown Williamsburg, PA
814-793-3731

USED TRACTORS

JD 2440 w/Loader
JD 4430 Diesel
JD 2940, MFD
JD "LA" Tractor w/cult.
JD 50
JD 3020 Diesel
Case 1270 Tractor
Ford 3000 w/Loader
Ford 800
Ford Dexter Tractor
MF Pony w/Equip.

USED COMBINES

★ Finance Charges Waivered Til May 1, 1984



JD 6620 SIDEHILL COMBINE w/HEADS $56,000!

JD 4420 COMBINE w/HEADS 435 HOURS!

Massey Ferguson 410 D w/Cornhead $7,000
JD 4400 Diesel Combine w/heads - Exc. Condition
JD 4400 Gas w/Cornhead

JD 3960 Harvester w/3 Row Cornhead ..... Demo!

NEW EQUIPMENT SPECIALS

JD 6500 Forage Blower	$1,795
Hesston 1750 Forage Harv. w/2-Row 30" Head	$9,500

USED EQUIPMENT

New Idea 322 2-Row Mtd. Cornpicker
New Holland 16' Forage Wagon
JD 7000 30" 4-Row Planter
JD 2800 5-Bottom Plow
Gehl 120 Grinder Mixer

Special
Fox Super D S.P., For. Harv. w/2-Row 30" Head
$5900

SHOTZBERGER'S EQUIPMENT

JOHN DEERE

Elm, Pa.
Phone: 717-665-2141

USED EQUIPMENT

TRACTORS

JD 4240 w/cab, 400 hours	$27,500
JD 4040 power shift	$19,000
JD 3020G PS	$5900
JD A	$1200
IH 1086 w/cab 1180 hrs.	$18,500
IH 354 w/Attachments	$5,500
MF 1085 Dsl.	$8900
MF 1080 Diesel	$5900

SPECIAL PRICES ON COMBINES

1982 JD 6620 Side Hill w/2 heads	$75,000
1977 MF 750, 1700 hrs. 2 heads	$29,500
1978 JD 6600 Sidehill	$43,750
1979 JD 6620 Sidehill	$59,900
JD 4400 w/443 Corn Head	Sharp
1980 MF 760 338 hrs. w/2 heads	$55,000
JD 45 w/2 heads	$8900

TILLAGE

JD 1450 5x16 Plow	$2900
JD 145 5x16 Plow	$1550
JD 950 12' Roller Harrow	$2700

PLANTERS

JD 6 Row 7000 Conserv. w/Liquid Fert.	$8000
JD 6 Row 7000 Consev. Dry Fert.	$7500
JD 4 Row 7000 Dry Fert.	$5900
White 5400 4 Row	$3600
MF 468 4 Row	$950
MF 468 6 Row	$1850

MISCELLANEOUS

JD 750 Grinder Mixer $4100

BLUE

NEW JOHN BLUE L-13040 500 Gallon Ground Driven PUMP SPRAYER
SPECIAL
$5,995.00

JOHN DEERE

TOBIAS EQUIPMENT CO., INC.
Halifax, PA 17032
Phone: 717-362-3132

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Used Farm Equipment Sales & Service
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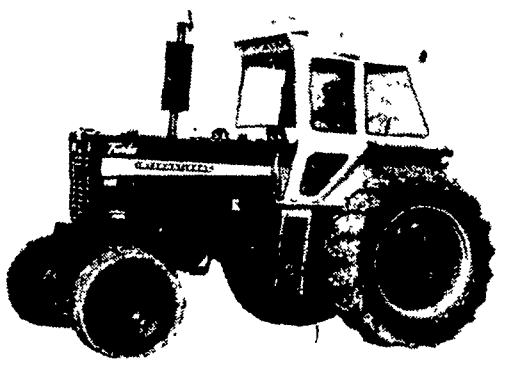


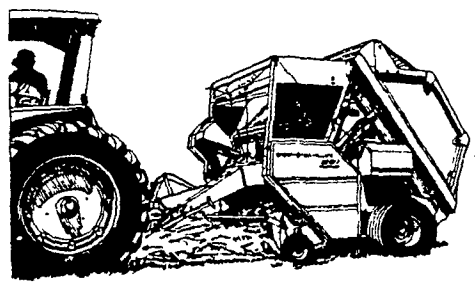
GUARANTEED QUALITY/USED/TRACTORS& CORN EQUIPMENT

1978 JD 6600 Diesel w/Hydro., Air Conditioning AM-FM, Very Sharp, 1480 Hrs.
1975 JD 4400 Diesel Cab, Air and AM-FM, Sharp, 925 Hrs., monitor.
NI 818 Combine, like new w/840 quick tatch throat.
NI 844 4R narrow head
NI 715-S grainhead
2-NI 705 Diesel w/Cabs
NI 702 Diesel, power unit, late model, nice
NI 737 husker, like new
NI 727 & 737 huskers
NI 738, 4R narrow corn head
NI 734, 3R wide corn head
NI 729A Sheller
NI 730 4R wide cornhead
NI 760 chopper w/2 row wide head
NI #7 pull picker, $350
MF 300 combine, quick tach w/2 heads

JD 4320 w/factory cab, 38" rubber fully equipped
JD 4010 Diesel, wide front
JD 4520, syncro. range, factory cab, quick hitch, diff. lock, dual hyd., (also has 4620 after cooler up date kit)
JD 730 Diesel, elec, start, wide front, 3 pt. SOLD
Case 1175 factory cab & air, 2700 hrs. very sharp w/1 yr. old Case model 70 loader
IH 986 79 model, cab & air, diff. lock, sharp
IH 1456 w/cab, duals & weights, solid tractor
IH 856 Diesel, wide front
IH 1206 fully equipped, good solid tractor
IH 766 w/cab & air, fully SOLD ped
IH 706 German Diesel, WF, real sharp tractor
IH 706 Diesel, good tractor
IH 826 German Diesel
IH M Farmall
IH 706 gas w/recent complete overhaul
AC 200 w/yr. round cab, dual PTO & hydraulics 18.4-38 rubber, 1700 hrs., sharp, local tractor
MF 85 Diesel, good rubber, 3 pt.
Bush Hog mounted chisel, 3 bar.
IH factory red cab w/air to fit 966, 1066, & 1466.
IH & JD cabs (used)
Year round cab fits 3020 or 4020, nice
Year round cab w/air fits IH 06 to 66 series tractors

Box 91 New Providence, PA 17560
Ph. 717-786-1606 &
Evenings 717-786-4899

851 Round Baler



BIG DEAL

The Model 851 from Sperry New Holland with Super-Sweep pickup and fines saver pans get *more hay in every bale*. Sure, fast core formation gets you off to a fast start.

The 851 Demonstrator (baled 25 bales) with New Holland Sales Allowance

SPECIAL PRICE $7,000.

(Current list price as equipped $11,550) Also Special Sales Allowance on 852 Large, 846 and 847 Smaller Round Balers.

Special Terms for a limited time. 0% financing till April 1, 1984 with interim payment or 4.9%, 7.9% or 10.9% APR for 12, 24 or 36 mos. respectively.

USED EQUIPMENT

NH 1895 SP Fg. Harvester Cat Power Unit 12 double edge unbeveled knives, metal detector.
NH 3RN Low-profile Crop Head
NH 3RN Ear Snapper Head
NH 880 Windrow Pickup Head
Gehl PTO Blower $495
AC Hopper Blower Belt Driven $150
NH L-325 Skid Steer Loader
Ford 40 h.p. Skid Steer Loader, Ex. cond., only 1100 hrs, Trms $6500
NH 1469 SP Haybine w/Ford PU . . $3790
NH 469 Haybine $1685
NH 367 Flail Spreader $1890
NH 328 138 bu. Spreader 2 btr. . . $1475
NH 273 PTO Baler, Ld. Chute $1550
Ford 250 PTO Baler $350
Ejector for 247 Baler $200

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½ hp. thru 10 hp. 1 ph.
½ hp. thru 100 hp 3 ph.
FARM DUTY MOTORS IN STOCK
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EQUIPMENT FOR SALE

J.D. No. 755 Crawler Loader,
J.D. No. 310 Backhoe
I.H. No. 886 Tractor Roll-Guard
I.H. 186 Hydro Tractor w/Cab, Air & Heater,
I.H. 1486 Tractor w/Cab & Air
J.D. 5440 S.P. 4-Wheel Drive Forage Harvester, 3 Row 30" Corn Head, 6 Ft. Windrow Attachment
J.D. 8440 Tractor w/Dual 20.8x38 Tires, P.T.O. & 3 Pt. Hitch
J.D. No. 440 Offset Disk - 12 ft.
Badger 16 ft. Forage Wagon
New 36 ft. Zimmerman Elevator
I.H. 8-Ton Wagons w/230 & 330 Bushel Gravity Box
Cement Water Troughs
I.H. #830 Fg. Harvester w/3 row corn head and windrow attach.
J.D. #1209 Mower Conditioner
J.D. #680 Manure Spreader
Amco Terrace Plowe
N.H. #851 Big Round Baler
Cardinal 50' 8" auger
Krause #2400 24' folding Disc
New-Schessow 30' portable cattle feeder
1978 Chevy Truck w/Johnson Sprayer, 50' Hydraulic Booms and 1200 gallon SS Tank.
Bank Financing Available, Leasing Available.

NEW TIRES IN STOCK
NEW BF GOODRICH

New Wagon Tires
L 15-8-ply. List $94.20, Sale $45.00
1000x15-12 ply, List $123.60, Sale $70.00

MISCELLANEOUS

50 Bags Instant Dry for Shop, Reg. $7.95, Sale $4.95
Sawed Locust Posts

TRUCKLOAD SALE ON SALT

80 lb. Bag T.M., Reg. $5.95, Sale $4.95
80 lb. Water Softener Crystals Reg. $5.30, Sale $3.95
No. 50 Bags Thomasville Barn Grip (Ton), Reg. $38.00, Sale $32.00
1" Decorative Landscape stone 2¢ per lb. or $35.00 ton bulk

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Millersburg, PA 17061

Farmall Super M w/mtd. New Idea Sheller, $2450
AC D15 w/loader, ps, 3 pt., sharp, $4500
David Brown 880 w/loader, comp. reconditioned, $4500
MH Pony w/tools, $1650
Oliver 1750 diesel, reconditioned, $6500
Case 970 diesel, 8 spd., good, $7650
Case 770 gas, ps, sharp, original, $5995

Special Tractors under $1,000

Int. 350 diesel, Case 400 diesel, Ford Major diesel, MF 333, JD 40, H, 2 AR's, Farmall M, B N, 2 H's, Avery.

Backhoes

Case 580B, cab and extandahoe, $10,750
Dynahoe w/cab, $5250
JD 1010-coming in

Valley Implement Co.
Rt. 38 Newark Valley, NY
607-642-8688
24 hr. hotline - 607-642-8519

Dismantling Combines for parts over 200 all makes and models. Call before you come.

IH 64, 76, 80, 82, 125, 127, 141, 101, 151, 91, 93, 203, 303, 403, 503, 205 & 815. JD 12 A, 25, 30, 40, 45, 55, 95, 105. AC 60, 66, Gleaner A, C, CII, E or L. MF Clipper, 26, 27, 70, 80, 90, 72, 82, 92, 35, 300, 410 & 510. Oliver 33, 35, 40, 430, 525 & 545. Ford SP & pull. 701 NI Uni tractor, NI Uni - 705D (ear corn unit), combine & shellers, Case 800 & 660, 600.

COMBINES

IH 80 pull type auger feed, $1500, Sharp
IH 205 w/10' grain head, 2R corn
IH 105, cab, grain & 2 row corn, $2500
Gleaner E 10' grain and 2R cornhead
Gleaner A2 w/cab & grain head
NH 985 cab with quick-tach grain head

TRACTORS

AC C tires, like new
Massey 101 w/WF, $500
Oliver 60 w/cults., $750
IH 300, $1000
Late JD A w/hydraulics
530 Case Backhoe
Oliver Super 77 w/hyd.
IH 856 Diesel, 3 pt., $6550
IH 706 Diesel, 3 pt., $3900
Farmall H, $750
Farmall BN w/btm. plow & cult. $1050
IH 400 Diesel, full equip. w/ps, $1500
IH 460 gas, full equipped, needs clutch, $1600
IH Super M
IH 200 fast hitch
IH 560 diesel, standard-type, 65 HP, makes good belt power tractor
VAC Case

TILLAGE

12' Brillion roller harrow
10' transport roller harrow
IH 11' wheel disc
IH 12' drag disc, choice $185
IH 4 bottom 16" steerable plow, $775

MISC.

New Zimmerman 32' elevator, $1450
NI 300 2 Row Pull Picker, $750
#7 NI Picker
323 NI Picker
IH 105 grinder mixer, $1100
NI 2 row corn head
IH 4 row 430 for 503
Sauder loader, $100
2-IH 5 btm. 16" steerable plows
2-JD 34 harvesters, choice $500
JD side mount mower
JD 480 haybine
2-IH PTO mowers, $100 each
IH 2 row corn heads fits 105, 203, 205, 315, 93 & 91
IH loader, H or M, $225
JD 3 btm. 14" trailer plow, $150
3 pt. Hesston round balemover, $450
NH 717 harvester
Dump trailer will haul 12 T shelled corn, suitable for tractors 100 HP or over
IH PTO spreader, $375
JD unloading wagon
JD 1450, 6 btm., 16" plow, on land hitch, $1575
AC wide front end for WD or 45 12' trailer type chisel plow, $500
2 used bale wagons $750 each

DISMANTLING TRACTORS FOR PARTS
Harvesters and Corn Heads for Parts

JD 2010, 70D, 4010, IH 560 D, IH F 14, A, B, C, H, M, 300, 350, 460, 460 Ut., Supers C, H. & M. JD A, B, 50 & 60. AC WD, WC, D17. Oliver 70 & 77. Ford 8N, Ford 6000D. Case SC & V.A.C., DC. Massey 44D, 333, 30, MF 85D, IH 400, MTA, 240, F20, WD D2 Cat crawler. JD 70 G, Oliver crawler, 2 Oliver crawler loaders.

Dismantling 50 pickers for parts

KEITER'S FARM MACHINERY

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FARM EQUIPMENT

NH 975 COMBINE

Excellent small grain and bean machine, corn head available, machine looks new.
NI Narrow Row Super Sheller, new condition
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Retrofit existing feed wagons, grinders-mixers

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Interstate Industrial Plaza
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JOHN DEERE

JD 4630 Tractor
JD 4430 Tractor w/Roll Guard
JD 4430 Tractor w/Row Crop Fenders
JD 4030 Tractor
JD 2640 Tractor
JD 950 Tractor w/loader
JD 2640 Tractor w/145 Loader
JD 830 w/loader
JD 2040 Tractor
JD 2440 Tractor
JD MT Tractor w/plow, Cultv. and Mower
JD H Tractor w/plow & cultv.
Farmall 656 Tractor
Farmall M Tractor
Farmall H Tractor
Farmall Cub w/Belly Mtd. Mower
IH 154 Lo-Boy w/mower
JD 7000 6R Consv. Planter w/Liquid Fert.
JD 7000 4R Consv. Planter w/Dry Fert.
JD 7000 4R Consv. Planter w/liq. fert.
JD 1240 4R Plateless Corn Planter
NI 325 2R Corn Picker
NI 324 2R-C Picker
JD 3800 Chopper w/2R corn head
JD 35 Chopper w/2R corn head
JD 3940 Chopper w/2R C.H.
JD 110 Disc
JD BWA Disc
JD B Plane 15 Disc Grain Drill
JD FB Grain Drill
JD 4400 Combine w/Platform & C.H.
JD 4400 Combine w/444 Corn Head & 13' Platform
JD 7700 Combine
JD 7700 Combine w/643 Corn Head & Platform
Gleaner A Combine
JD 244 Corn Head
JD 125 Chuck Wagon
JD 716 Forage Wagon
NI 279 Cut/ditioner
JD 1450 5B Plow
JD 1450 4B Plow
JD 145 6B Plow
IH 5B Plow
IH 6B Plow
NH Tank Spreader
JD 400 Grinder Mixer
JD 400 Lawn & Garden Tractor

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865 BU. $795
1085 BU. $875
1515 BU. $1085

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HESSTON FARM EQUIPMENT

HESSTON FARM EQUIPMENT

NEW HESSTON 7140 FORAGE HARVESTER $5850

USED TRACTORS

• AC 220 w/cab $7300
• Case 930 Comfort King $3400
• Case 1030 Comfort King $4400
• Oliver 770 . . . . . $1500
• MF 135, Gas, P.S $3500
• IH 560 Gas $2100

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(1) Used SU 1056 100 H.P. $5600
★ Will Install In Skid Loaders, Balers, Forage Harvesters, Etc.

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14' Brillion field harrow transport
New Caldwell 8' blades, special discount
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New 18' steel rack hay wagons
New Pequea hay tedders
New Zimmerman running gears & elevators
MF sickle bar mower
Hawk Bilt 207 manure spreader
Nicholson hay tedder
336 JD baler
Dion Big Drum Blower
NH Blower

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Located in Reistville midway between Myerstown and Schaefferstown along Rt. 501
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Badger · JOHN DEERE · HESSTON FARM EQUIPMENT

USED EQUIPMENT

TRACTORS

JD 1020 Gas
JD 650 Diesel
JD MT Tractor
Farmall Cub w/Mower Loader, Sickle Bar Mower

HARVEST EQUIPMENT

JD 24T Baler w/Thrower
Case 330 Baler w/Thrower
Thrower for MF Baler
NH 7[SOLD]arvester w/2 Row Head
5½ Pickup JD Harvester

MISC EQUIPMENT

JD #8W Mower
Sauder Loader
AC 3 pt 3 Btm Plow
JD F145 5 Btm Plow
JD 2 Btm 16" 3 pt Plow
IH 3 Btm 2 pt Plow
AW 12' JD Disk
Ford 2 Btm Plow
JD 82([SOLD]in Drill
Ontario Grain Drill
Harrigator

SUPER SPECIAL
Moore 10' No Till Drill
$10,500.00

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- Vermeer 504H Balers - 1 New & 1 Demo
- Vermeer 504G Baler
- Vermeer & Scranton Bale Movers
- (1) Vicon 1900 lb. Fert. Spreader
- (1) Vicon 15' Power Harrow
- (1) Vicon RP 1200 [illegible]d Baler
- (1) Vicon SP450 Square Baler w/Thrower
- (1) Vicon 8' Mower Conditioner
- (1) Vicon 5½ ft. Mower Model CM165
- Haybuster 1068 Semi-Mounted No-Till Drill
- Martin 1263 Scavenger II Spreader

USED EQUIPMENT

- Vicon 10' Power Harrow
- Brady Flail Shredder
- Farm System Flail Spreader, Left Side Loading
- Hesston 12' Hydro Swing Haybine
- Used Vicon 4 Wheel Hayrake
- Pequea Hay Tedder

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NEW PHONE NUMBER: 215-944-0402

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60 HP JD 2440 Ind. PTO
Hi-Lo Trans., 16.9x30 Tires,
Excellent, $11,500

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GREEN VALUE USED EQUIPMENT

TRACTORS

JD 2440 tractor, sharp
15 HP Satoh Beaver diesel, 4WD w/loader, $3,800
Michigan 4WL drive payloader w/fork & bucket
IH 400 tractor, $2,000 nice!
9N Ford w/Sauder loader, $2,200

PLOWS

JD F350, 4 bottom 16", $2,200
JD 145 plow, 5 bottom 16", $2,100

DISCS & HARROWS

JD 12' drag harrow, $575
JD KBA transport disc 10', $1,095
JD drag disc 8' $395
IH 10' disc, transport disc $950
AC drag disc $195

DRILLS & PLANTERS

JD 1440 no-till w/monitor, dry fertilizer & insecticide, reduced to $2,200
JD FBB 15x7 drill, $775

HAY & FORAGE

NH #8 forage box w/new running gear & roof, very good, $4,500
NI forage blower $995
JD 24T baler w/30 ejector, $2,495
Case 230 baler, for parts
JD 1 row snapper head, fits JD 35, 38, 3800 & 3940 harvesters
Grimm hay tedder, $975
JD 336 baler w/30 ejector, nice, $4500
JD 1209 mower conditioner, $2,750
IH 440 baler w/thrower, $3,750
JD 35 harvester w/2RRC & 5½ pickup head, good

JD 4420, 550 Hrs., Air Cond., Monitor, 23.1 x 26 tires w/213 platform, like new, $39,900
Waiver til May 1, 1984

MISCELLANEOUS

Used 6' & 7' rotary cutters, priced right
200 Kill Bros. gravity box, like new, $500
MF 160 spreader w/hyd. endgate, good, $1,395
JD 227 picker for parts
7' heavy duty 3 pt. blade, $625
IH 2MH 2 row mtd. picker, very good

LAWN & GARDEN

2 JD 317 tractors w/mowers, like new

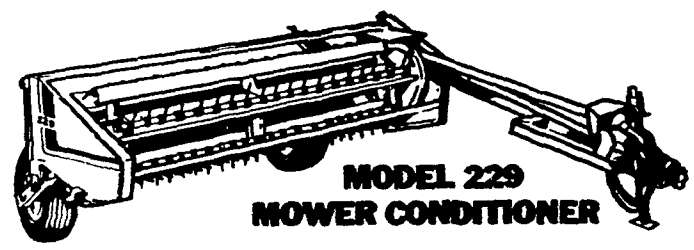
Zimmerman Elevators & Kill Bros. Gravity Wagons

JD Finance Waiver & Rebates On Most New Items!

HERE WE GO AGAIN, FOLKS.

Since we are unable to sell you any of the Big "3 or 4" company's products, with all bonus offers they are coming up with to sell their machines, we must sell you the quality of OMC. Therefore, after you have all seen these products at Ag-Progress Days, we ask you to do everyone a favor and invite all of the companies you wish, **do not forget OMC**, to your farm on the **same day**, in the **same field**, at the **same time**, and see for yourself, (and your neighbor if you wish) which machine does what you want, and at the price you may want to pay. If we lose, it can only cost us some time and a possible lost sale. But you can be sure it will make a difference in the price you pay when you decide on the machine you choose.

OMC WILL PROVE IT!



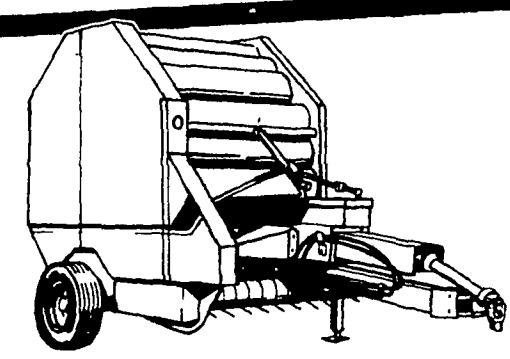
MODEL 229 MOWER CONDITIONER

We're not just claiming OMC's Model 229 will out cut... out condition ... and out perform the competition.

We'll prove it -- on YOUR farm -- at YOUR convenience.

JUST ASK FOR A DEMONSTRATION!

BENEFITS



Increased reliability—better bales

590

Take the breakdowns out of roll baling The 590 has no forming chains or belts BENEFIT An 850 pound medium density bale with a hard outer shell protects your hay while allowing it to cure BENEFIT. Bales stover, hay, forage crops and straw BENEFIT Better feed quality

OMC

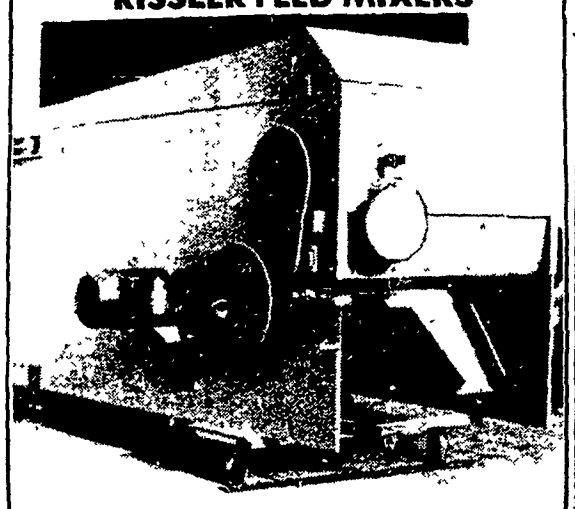
NEW EQUIPMENT SPECIALS

McCURDY RUNNING GEARS
McCURDY GRAVITY BINS
OMC GRINDER MIXER
OMC SWINGTONGUE MOWER COND.
NEW IDEA 213 SPREADER
NEW IDEA CORN PICKER
H&S SPREADERS
H&S FORAGE BOX
ARIENS HYDRO L&G TRACTORS
VARIOUS WALKBEHIND MOWERS
LINCOLN WELDERS
TAYLOR DISC HARROW

We Will Demonstrate OMC Balers, Grinder Mixers, Mower Conditioners, and Fella Rakes

Stanley A. Klopp
Bernville, PA
215-488-1510

RISSLER FEED MIXERS



More and more farmers are finding that mixed rations are producing healthier and better livestock, plus better feed efficiency. Veterinarians, nutritionists consultants and feed analyst are recommending (TMR) feeding systems. Perhaps you can also increase profits by turning to this system.

This **UNIQUE** design was developed so farmers can have more for less. A 15,000 lb. pintle web with 2" high paddles will tumble feed from end to end. An auger with left and right flighting will bring feed to center and keep the pile crowned. This auger will mix the feed from side to side at the rate of 1200 lbs. of feed per minute and will unload when drop out is opened. Convenient crank allows flow from 0 to 1500 lbs. a minute whatever desired.

Box is coated with urethane on inside with glass like finish that is abrasion resistant. All stress points are lined with ¼" and 5/16" heavy steel. Heavy duty bearings can be relubricated and easily accessible. Takes less HP than conventional mixers.

Optional stainless steel floor. Electronic or mechanical instant-weigh scales.

For more information and our low low prices, Call or Write

I.H. Rissler Mfg.
RD #3 Denver Rd.
Denver, Pa. 17517
(215) 267-2453

Special
This Month Only
IH 800 6x30 plate planter, demo, $8450

Used Equipment at Dalmatia

I 84 hydro diesel	$13,450
I 460 diesel w/2001 loader	$3500
550 5x14" plow	$850
MF 3x14 3 pt. mtd. plow	$395
Kasco 12' 3 pt. chisel plow	$1675
#45 vibra shank cult., 26½' w/mulcher attachment	$3,500
JD 13x7 single disc drill	$795
IH 13x7 double disc drill	Coming in
IH 400 4 row planter	$2,000
IH 455 4 row shoe planter, as is	$675
AC 4 row cornplanter, as is	$725
AC model 600 no-till corn planter, 4x38"	As is $1500
IH 453 cult. 4 row rear mtd.	$850
IH 2 pt. 7' mower	$195
AC 303 baler w/thrower	$995
NH 67 baler w/thrower (motor on thrower)	$795
IH 47 baler w/thrower	$800
Gehl CB 600 forage harvester, 2 row corn head & hay pickup (new knives)	$3,750
Fox blower (as is)	$575
1190 mower-conditioner	$4,150
Hesston PT-12 pull-type windrow	$1,025
IH 863 6x30 corn head	$6,950
Gehl 120 grinder-mixer	$2475
70 Cadet, 7 HP	$850
42" Cadet blade	$135

Used Equipment at McAlistersville

F 656 gas, wfe, 3 pt.	$6,600
MF 40 gas, 3 pt. (engine overhauled)	$2700
NI Semi-mtd. mower	$135
NH 270 baler w/thrower	$1400
10' Dunham-Lehr packer mulcher	$1,500
IH 420 3x16 plow	$695
Kewanee blade, 8' 3 pt.	$495
IH 56 blower	$950
IH 76 pull-type combine	$400
72 Cadet w/mower	$900
122 Cadet w/mower, 12 HP	$1,295

INCH EQUIPMENT CO.
Dalmatia 717-758-3021
717-758-6491
35 miles North of Harrisburg, PA on Rt. 147.
18 mi. South of Sunbury
McAlisterville 717-463-2191
Rt. 35, 9 miles east of Mifflintown,
25 miles west of Selinsgrove.
INTERNATIONAL AGRICULTURAL EQUIPMENT
- U.P.S. Service Available

FORRESTER FARMS

1337 Lincoln Highway East
Chambersburg, PA 17201
Phone: 717-263-0705
Sales - Parts - Service
LONG

SALE PRICED	JD 2120
New Long 610 DTC, 4WD, 64 HP, $12,500	JD 2030
New Long 610, 64 HP, $10 200	Ford 8600 w/dual power
New Long 510, 48 HP, $8500	Ford 7600 w/cab & dual power
New Long 310 DTC, $8,600, 28 HP	Ford 6610
New Long 460, 41 HP $7,900	2 Ford 6600 w/cab
IH 1086 w/cab	Ford 5600 4 wheel drive
IH 966 w/cab	5 Ford 5000 2 w/dual power and cab
IH 806	4 Ford 4000, one w/loader
Year-round cab for IH w/air conditioner	Ford 541 offset
JD 2840	3 Ford 8N
Cab for JD 2840	MF 1150 w/cab
2 JD 3130 1 w/cab	MF 175
3 JD 3120	Case V
JD 2130 SOLD	Wolverine 25' gooseneck trailer
	Moore no-till drill

¼ Mile East of Exit 6 I-81
Hours: 8:30 - 5:00 Mon. - Fri.
8:30 - 12:00 Saturdays

JOHN DEERE *Nothing runs like a Deere*

SPECIALS OF THE WEEK
NH 718 & 782 Forage Harvesters
No Interest Till April 1, 1984

NEW TRACTORS
JD 4250 SG, PS, MFWD
JD 4050 SG, PS
JD 2950 SG, MFWD
JD 2950, SG
JD 2950, MFWD
JD 2750
JD 2350, MFWD
JD 300B Loader & Backhoe

NEW HAY & FORAGE EQUIPMENT
NH 718, 782, 892 Fg. Harvesters
JD 3940 & 3960 Fg. Harvester
JD 506 Gyamor Mower
JD 347 Baler
JD 327 Baler
NH 311 & 316 Balers
NH 488, 489, 495 & 1495 Haybines
NH 256 Rake
JD 670 Rake
JD 660 Rake
H&S Fg. Wagon
H&S Bale Wagon
New Hay Tedders

NEW PLANTERS
JD 7000 6 Row Consv.

NEW TILLAGE
JD 950 Roller Harrow
JD 2600 4B Plow
JD 215 Dura-Cushion Disc Harrow
Haybuster No-Til Drill Also for Rent

NEW SKID STEER LOADERS
NH 445, 555

NEW SPREADERS
NH 519
Martin 2400 V Type & F1466 Scavengers
H&S 260 & 295 Spreaders

NEW DRILLS
JD 8200 18x7
JD 8250 14x7

USED TRACTORS
JD 4430 4 Post, RG, QR
JD 4230 QR, RG
JD 4010
JD 3010
JD 720D
Farmall A w/Hyd. Lift

USED CORNPLANTERS
JD 1240
JD 1260 w/monitor
JD 7000 6RN Cons.
JD 7000 6RN w/min. till attach.
White 5400 6RN Plateless

USED HAY & FORAGE EQUIPMENT
Hesston Self Prop. 6450 Mower Conditioner
Hesston PT10 Mower-conditioner
JD 2 Row Narrow Corn Heads
NH 3RN Corn Head
NH 269 Baler w/Thrower
NH 78 Baler
JD 24T Baler
Hesston 1010 Swing Tongue
NH #33 Crop Chopper
NH 27 Blower

MISCELLANEOUS
Oliver Fertilizer Spreader
15 HP 3 phase elec. Grain Dryer Motor
15 KW Standby Generator
MF Grain Drill

NEW MISCELLANEOUS
JD 335 Skid Sprayer
Most Model JD Loaders & Blades
Demco Sprayer 600 gal.

Ask About Waiver of Finance on NH & JD Equipment

CLUGSTON IMPLEMENT, Inc.
1 Block off I-81 Exit 8
Chambersburg, PA 17201
Phone: 717-263-4103
bobcat SPERRY NEW HOLLAND

FOR SALE

MF 2805 w/duals
JD 4020 power shift w/turbo
MF 1155 w/cab & air
MF 180
MF 550 combine w/1143 corn head
3 field cultivators
1250 gallon per minute irrigation pump
MF 321 Corn head
JD 24 Skid loader

L & M BURKHOLDER
Ephrata, PA.
717-859-2960
717-859-2712

NH TR 75
Pay New Holland what we owe and it's yours!

Used Woods Mowers

JD 1209 Haybine

Ford 537 7' Haybine

Harvesters

Tri-Axle 18,000 16, 24' Trailer

Skid Loaders

New Idea #218 Spreader

NH 790 Spreader

SHEETS BROS.
New Holland, White
1061 Carlisle St.
Hanover, Penna.
717-632-3660

DEUTZ

USED TRACTORS & EQUIPT. IN STOCK

Used D5506, 57 h p $6,800
Myers Sprayer, 200 gal PTO drive $800
Deutz Fahr Baler, high capacity machine 14" x 18" Chamber, 65" pickup $2900
Used Hay Tedder, Vicon, 10'
MF 128 T baler/thrower, wide pick-up, shur-tie knotter, $3700
John Deere 480 mower conditioner, $1250

NEW TRACTORS & EQUIPT. IN STOCK

D5207 Deutz tractor, 52 h p
D6207 Deutz tractor, 62 h p.
D6807 Deutz Tractor, 68 h p
D7807 Deutz tractor, 74 h p
DX 120 Deutz tractor, 111 h p, w/4 post safety frame
Leon 636 heavy duty front end loader, fits Deutz tractors
Deutz-Fahr KH500 17' Hay Tedder
Deutz-Fahr KH300 9 8' Hay Tedder
Deutz-Fahr KS85 Hay Rake
Custom-built diesel Gen-Sets made to order
New & Used Deutz diesel engines at special prices Call for details
New Deutz F2L-912 diesel engines 20-32 H P electric start

Stauffer Diesel Inc.
312 West Main Street
New Holland, PA
PHONE 717-354-4181

★ ★ SPECIALS ★ ★

TRACTORS
PLOWS
RAKES
FORAGE
WAGONS
BALERS
DISC MOWERS

S.G. LEWIS AND SON, INC.

RD #2, Box 66, West Grove, Pa.
215-869-2214
All Hay Equipment Free Finance until 6/1/83

OTHER SPECIALS

FORAGE

SNH #782 Forage Harvester w/#824 corn head $12,400
SNH #718 Forage Harvester w/#824 corn head $9,650
SNH #25 Blower $1,600
SNH #8 Crop Carrier w/roof & 238 wagon $7,100

HAY

SNH #451 Mower w/7' Cutter Bar $1,860
5 Bales Twine with Any Used Baler Purchased In August

SPREADERS

SNH #301 Liquid Spreader, 540 Drive w/soil ejector & coulters $8,500

Don't be fooled by lower prices on "will-fit" parts. The management of other brand dealerships recognize the value put into genuine Sperry New Holland parts and service. This is what made Sperry New Holland the leader and No. 1 in hay and forage equipment. When a problem arises or you need parts or service, call your authorized Sperry New Holland dealer.

215-869-2214 or 215-869-9440

SAME
AVCO NEW IDEA

FOR SALE
Deutz 10006 2 WD w/cab, heat, $8,200
Ford series 250 PTO hay baler, $800
GT 370 350 bu. grain dryer w/loading hopper & grain cleaner, $2200.
IH 51 forage box w/330 wagon gear, 3 beater & roof, $1,200
NI 272 cutditioner excellent condition $2785
Taylorway 200 234-8' offset disc harrow w/26" blades, 10½" spacing, 3600 lbs., exc. cond., $2,800
Taylorway model 200 217 disc harrow, 10' w/flex bearing hangers, 22" blades, new cond., $3550.
NI model 224 spreader w/hyd. gate, Gratz chain, good cond., $3,800
NI 218 spreader with hyd. gate, cylinder & hoses, flotation tires, Gratz chain, good cond., $3700
Dion 60" forage blower, good cond. $1385
N.I. forage blower, model 620, 54"fan, good cond. $875.
NI #323 1 row picker, like new, 90 acres, $4,300

HEISEY FARM EQUIPMENT, INC.
RD 1 Jonestown, PA
717-865-4526

JOHN DEERE

NEW EQUIPMENT
JD 950 Tractor
JD 1050 Tractor
JD 2040 Tractor
JD 714 Forage Boxes
JD 1075 Running Gears
JD 1209 Mower Conditioner
Hesston 1014 Hyd. Swing Conditioner
JD 1710 Mulch Tiller
Bush Hog 1432 10½' Disc

USED EQUIPMENT
AC C & WC Tractors
Farmall MD, Super M Tractors
JD B Tractor
JD 520 Tractor
JD 720 Tractor
JD 3010 RCU Tractor
Farmall Cub w/outfit
Cub Frt. Mtd. Blade
JD 494A Planter
IHC 315 Mulch Packer
IHC 540, 550 4B Plows
JD F125 6B Plow
Ferguson 2B Plow
JD AW Disc 12'
Woods Cadet 60 Pull Type Mower
NH 6' Cutter
JD 507 Cutter
MF 41 Sickle Bar 3 pt. Mower
Mayrath 40' Elevator
NI Hay Rakes on steel
Myers Snowblade
Valk ST80 Snowblade

USED COMBINES
JD 95 w/platform
JD 434 corn hd.
AC C2 w/platform
AC 4R corn hd.
JD 45 w/platform
Plus other new and used equipment

Call For Details.
MILLER'S SALES & SERVICE INC.
West Penna. Ave. on Highway 851
Stewartstown, Pa.
717-993-2470
or 993-2732

FARM EQUIPMENT

Gleaner F2 Corn and Soybean Diesel Combine!!
466 hours, A430 corn head, air conditioning, heater, grain saver, like new cond., $38,000
Eves. 717-243-5768

Complete
TRACTOR
& ENGINE
REBUILDING
Dynamometer
Testing

FOR SALE
A C. and Wisc 2 and 4 cyl power units with or without clutch reduction

SPRING GARDEN REPAIR SHOP
RD #1 Box 204
Kinzer, Pa. 17535
Joe S. Stoltzfus

USED TRACTORS
AC 7030 w/cab, 7000 w/cab, 180 Diesel, 190XT w/cab, 200, 180D, 175D, D17 Gas & Diesel, D15, B, WD 45, D19, JD 4320, 2510, 4020, 4230 w/power shift, 40, M w/mower, Diesel, 3020 Diesel, 2640 Diesel, Power Shift w/cab, 620 & 60 both w/power steering, 420, A, B w/cults., IHC 806, 706 Diesel, 656, 544, 504, 364 Diesel, M, H, 230, Super C, A, 140, 154 w/mower, Cubs, Cub Cadets, MF 265, 175, 165, 135, 65, 30, Ford 800, 5000 Diesel, 4000 Gas, 8N w/side mower, 600, 8N, 4000 w/loader, 2000 w/loader, Jubilee.

IT'S HARVEST TIME
Used Hesston Mower Conditioners. - PT 7, PT 10, 1090, NH 477, 489 Haybines, NI Cutditioners 7' and 9', AC B w/5' Side Mower, NH 450 Sickle Bar Mower, plus 40 or more used sickle bar mowers, 3 pt., fast hitch, mounted, semi-mounted & trailer, IHC 420 Baler, IHC 420 Baler, NH 269 w/thrower, NH 310 baler w/thrower, NH 276 Baler, IHC 425 baler w/thrower very good cond., Hesston 5800 Round Baler, Hesston 4500 square baler w/thrower, Hesston 10 stack hand, Hesston 3 pt. hitch stack mover, NH 1010 Stack Wagon, Fahr Hay Tedders, Grimm Hay Tedders, Used Fahr Hay Tedders, New & Used bale elevators, Farmec, NH, new Little Giant & Zimmerman hay & grain elevators. Side rakes NI, JD 660 w/Dolly wheel, NH 258, 259, NH, NH 701, 707, 718, 770 Forage Choppers, Gehl 300 chopper w/2 heads, Hesston 7020, 2000-150 choppers, Various Pick Up Heads, Gehl 72 Flail Chopper, used pick-up heads for NH 717, 718, 880, 890, JD 34, 35, 38, AC 780, Grinder Mixer Mills, Gehl Mix-All, NH 352, 358, IHC 1150, Gehl 135, New Gravity grain boxes, used Van Dale mixer wagon w/scale, Grove Forage wagon, NI forage wagon, Ford forage wagon, Gehl 3 btr. wagon w/roof, used Grove Lamco, AC and Dion 2 btr. chuck wagons, Farm hand tub grinder, NI 325 2R picker sheller, NI 325 2R picker husker & several NI 323's 1R pickers, used forage blowers, AC, NH, NI, Kools, NI 1 and 2 row corn pickers.

LAWN & GARDEN
3 pt. - 1 btm. plows, IHC cultivators for Cubs-Super C's, AC riders - B1 and Big 10 w/mower, 916 Hyrdro w/mowers, New Kubota riding diesel mowers, New and Used Mott Hammer Knife mowers, plus many NEW mowers Woods, Bush Hog, Kubota - and other equipment for the Home or Commercial Grower

INDUSTRIAL & TRACTOR LOADERS
Tractor Loader Backhoes - JD 500C, JD 350, IHC 3414 Diesel tractor loader backhoe, (2) AC 655 Crawler Loaders - one w/winch, Trojan 204 A Loader w/cab rear steering, JD 440 A Gear & Power shift Log Skidders, Great Bend 666 Manure Loader, Case 530 Loader, JD 401 A Loader w/cab & 3 pt. Hitch, IHC 3444 Loader w/3 pt., IHC 2050 w/loader, Royer top soil processor, AC H3 crawler w/6 way hyd. blade. Bobcat 600 Gas, 611 Diesel, Gehl HL4400, Case 850 dozer, AC D grader.

MISCELLANEOUS
FORD Power Unit PTA 510, Heavy Duty, 8' Brillion cultipacker seeder, Servis 15' 3 section batwing rotary mower, MGS Tandem Trailer, NEW Car Mate Car Trailers, Bushog 6' 3 pt. rotary mower, Ford 5 btm. semi-mtd. spring reset plow, Lamco Utility Trailers, used fields sprayers & Niemeyer TE350 Vibra Shank tiller, plus wide selection of other Farm Equipment.

THIS WEEK'S SPECIAL
8' BRILLION
CULTIPACKER SEEDER
$1,295

CALL US FOR YOUR NEEDS
MARSHALL MACHINERY INC.
Sales and Service
AC, NI, HESSTON, KUBOTA
Located in Northeastern, Pa.
5 Miles East of Honesdale, Pa.
on Rte. 652
Phone 717-729-7117

VAN DALE

- **Van Dale Products**
  - All New Magna-Trac Ring Drive
  - Silo Unloaders 10' - 30' New & Rebuilt
  - Bunk Feeders - Belt, Auger and Shaker
  - Conveyors - Auger & Single Chain
- **T.M.R. Van Dale Mixer-Feeders - 4 Auger**
  - Truck Mounts • 40 Cows
  - Trailer Mounts to
  - Stationary Units 400 Cows
- **Liquid Manure Spreaders**
  - 1500 Gal. to 4500 Gal.
  - Soil Injectors
- **Liquid Manure Pumps**
  - Agitator-Filler • Centrifugal • Lagoon

- **Uebler Electric Forage & Grain Carts**
- **Uebler 810 Gas Cart**
- **Uebler U-Blend™ TMR Forage Carts**

UEBLER

- **Red Top Stainless Steel Trough Cattle Waterers**
- **Fickes Stave Silo-**
  Top and Bottom Unloading
- **Double Chain Wood Conveyors w/Slip Clutch & ¾" Bottom**
- **Taper Board Feeders & Belt Feeders**
- **Circle Feed Supplement Bins**
- **Hedlund Vaughan Chopper Pumps**
- **Farmaster TMR Tumble Blenders**

LEASING AVAILABLE • SALES & SERVICE

K & S INC.
RD 1 Quarryville, PA 17566
PH: 717-284-3111

International Harvester White Tag Specials
NEW EQUIPMENT
800 Plate Planters

	List Price	SALE PRICE
4 row hyd. marker no-till, insect.	$10,432	$6,750
6 row hyd. marker fert. 4WD, insect.	$14,556.50	9,750
Miscellaneous		
56 blower	$3,350	2,450
1190 mower conditioner, 7'	$8,575	6,290
510 plow, 4-16	5,810	3,710
5100 grain drill, 21x7, soybean special	7,795	5,350
781 forage harvester, 2 row head	15,189	10,500

Biggs, Inc.
34 Buckley Ave.
Rising Sun, MD 21911
301-658-5531

case

Late Model Case 1030 Tractor w/turbo
Case 2390 Tractor 1982, Fully Equip., 100 hrs. Dual Wheels, Traded for other Machinery.
MF 135 Diesel tractor.
JD 7100 Corn Planter, A-1 shape, set up for fert.
SC 7 Soil Controller
NI 727 Husking beds, good shape
NI 701 Power Unit A-1 Shape
Plus NI mow/ditioners, tractors & spreaders in stock at Good Prices.

C. & P. FULTZ EQUIPMENT
RD 1 Spring Mills, PA
(814) 422-8807,
Ask for Paul

FARM EQUIPMENT

YANMAR

USED TRACTORS
IH 1568, $16,500
IH 766 D, $10,500
IH 656 D, hydro, $6,250
IH 574 D w/2250 loader $8,500
IH F504, $2,500
Cub/C3 mower, fast hitch, plow, disc & front blade $4,200
Yanmar 336 four wheel w/loader, & backhoe, $12,000
IH 84 hydro, 400 hrs., $13,500

Biggs, Inc.
34 Buckley Ave.
Rising Sun, MD 21911
301-658-5531

Having completed our demonstration at Ag Showcase Day of Cecil County Fair, we want to thank the fair board and all the customers that gave us the chance to demonstrate our equipment. The following are special demo prices and IH White Tag Specials

NEW EQUIPMENT

	List Price	SALE PRICE
5088 D tractor, 135 HP, radial tires, full burgundy cab, 35 hours	$56,000	$38,750
884 four wheel drive tractor, 72 HP, dual valve-TA, 2 hours, 12 front weights	30,335	25,000
5500 chisel plow, 7'	1,964	1,500
881 forage harvester, 2 row head	18,769.50	14,000
120 wagon w/roof w/SOLD 4 Easy Trail gear, used 2 loads	6,633	5,600

Biggs, Inc.
34 Buckley Ave.
Rising Sun, MD 21911
301-658-5531

REICHLIN'S, INC.

961 Leister's Church Road
Westminster, MD 21157

MF Massey Ferguson

New Massey-Ferguson #2705 Tractor Demo $29,500

New Massey-Ferguson #285 Tractor $17,700

New Massey-Ferguson #540 Combine with 13' Grain Table, U II Reel and MF 1144 Corn Head $45,444

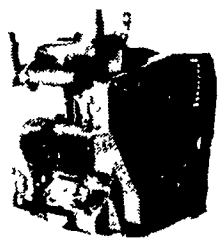
Used MF #175 D Tractor $5,995

CASH - NO TRADES

301-848-4585 **301-876-2121**
301-775-7900

FARM EQUIPMENT

Kirloskar DIESEL POWER



APPLICATIONS:
- Line Shafts
- Compressors
- Generators
- Farm & Construction equipment

LOW FUEL CONSUMPTION - LOW MAINTENANCE

SALES AND 24 HOUR SERVICE ON ALL MAKE ENGINES

WARREN M. HALLIGAN
RD 1, Rt. 340 KINZERS, PA 17535
3½ miles East of Intercourse on Rt. 340
(717) 768-8446

FARM EQUIPMENT

FIRST TIME IN THE EAST!

SEE OUR STALL ON DISPLAY IN THE BADGER AREA

With Badger's All New 5100 Gallon Tank Spreader

EQUIPMENT FOR SALE OR LEASE

BADGER
3,000 gal. liquid manure tank
1,500 gal. vacuum tank
205 Bushel Manure Spreader
Forage Wagons
Forage Blowers
Bedding Chopper for Mulching
Persuader Pump agitator for Lagoons
Handy High Pressure Washers

Oswalt Mix Wagons
Grain Drill with band seeder
Also:
Registered Holstein Bulls

SHOW-EASE STALL CO.
573 Willow Rd. Lancaster, Pa.
Ph: 717-299-2536

FARM EQUIPMENT

FREE

PUMP
Maintenance Pamphlets

Good pumps are better when properly maintained. Send the name & model of your pump

EECO, INC.
4021 N. 6th St., Harrisburg, PA 17110
717-238-9423

FARM EQUIPMENT

Adams Industrial Machinery, Inc.
Woodworking & Metalworking Machinery Bought & Sold
717-632-3443
Adams County

NH #354 GRINDER-MIXER
$2,895

NH #23 BLOWER
$695

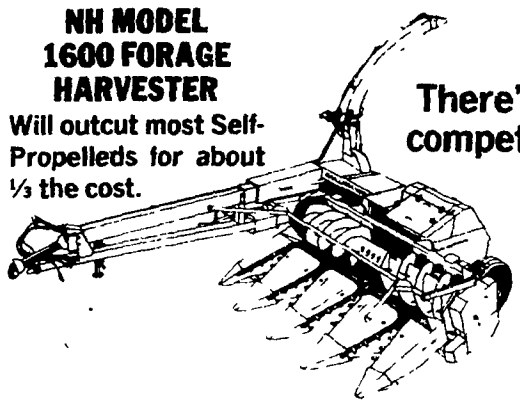
SHOVER'S
Loysville, Pa.
717-789-3117

NEW HOLLAND

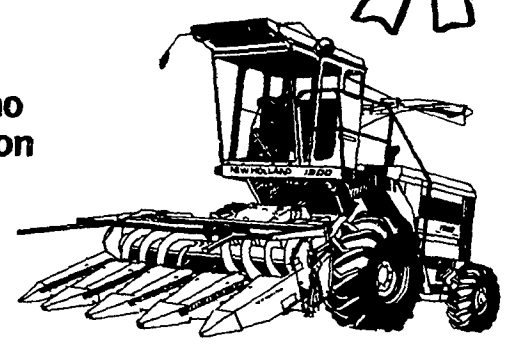
MESSICK'S
YOUR HARVESTER SPECIALISTS

1953-1983 30th Anniversary

NH MODEL 1600 FORAGE HARVESTER
Will outcut most Self-Propelleds for about ⅓ the cost.

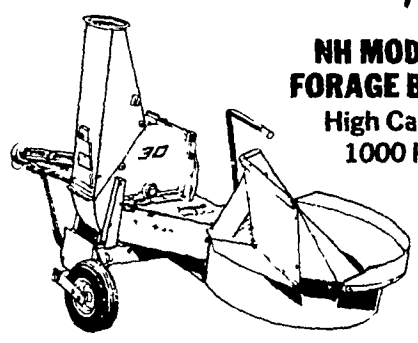


There's no competition



NH 1900 FORAGE HARVESTER
A New Giant, 250 H.P. Strong

See These Two Machines In Action At Ag Progress Days
Then Check With Us For Special Demonstrating Allowance Prices.

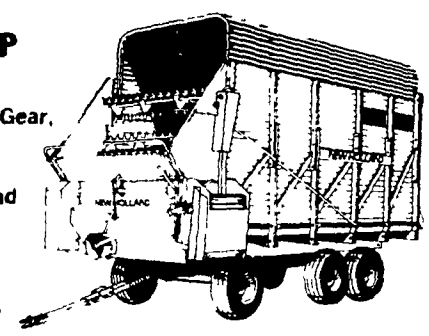


NH MODEL 30 FORAGE BLOWER
High Capacity
1000 RPM

CHECK OUT THESE EXCLUSIVE FEATURES AVAILABLE ON ALL MODELS
- Metal Detectors
- Flip-Up Feed Rolls
- Heavy Duty PTO
- Electric Controls
- Double edge underbeveled Knives (never requires rebeveling)

0.0% Interest until 4-1-84
with Interim Payment
OR
4.9% Financing for 1 Yr.
7.9% Financing for 2 Yrs.
10.9% Financing for 3 Yrs.
CHECK WITH US FOR DETAILS

NH #8 CROP CARRIER
12 Ton Running Gear, Flotation Tires.
Features:
- Front & Rear Unload
- Worm Gear Drive
- Variable Speed Control
- Heavy Duty Chains



A GOOD SELECTION OF USED EQUIPMENT

SKID STEER LOADERS
NH L425 Skid Loader
NH L775 Diesel Skid Loader
NH LB 11 Backhoe w/24' bucket
Mighty Mac w/2 Buckets, Excellent

HAY & FORAGE EQUIPMENT
MF 9 ft. Mower Conditioner
NH 268 Baler & Thrower
JD 24T Baler
Used N H. 1495 S P Haybine w/12 Ft Rolareel Header, Ex Condition
NH 320 Baler w/Thrower
NH 718 Harvester 2 Row Narrow Corn Head And Pickup
NH 30 Blower, 1000 RPM
IH 56 Blower, H.D , P T O
N.H 469 Haybine
NH 495 Haybine, 12' Rolareel End w/Transport, Ex. Condition
NH 770 Harvester, 2 Row Head, Pick-up Attachment
Gehl Model CB 600 Forage Harvester 2 Row Corn Head & Pickup Attachment, Ex. Condition
NH 315 Baler w/Thrower, 1 yr old
NH 851 Round Baler, Auto Wrap, Excell.

SPREADERS
IH 3 Beater 160 Spreader.
NH 365 Tank Spreader
NH 518 2 Beater, Excellent

MISCELLANEOUS
JD 3 Section Rotary Hoe
New Idea 2 Row Pull Type Corn Picker
NH 354 Grinder Mixer

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THE WORLD'S LARGEST SELLING CHAIN SAW

MESSICK FARM EQUIPMENT, INC.

RHEEMS EXIT - RT. 283, ELIZABETHTOWN, PA
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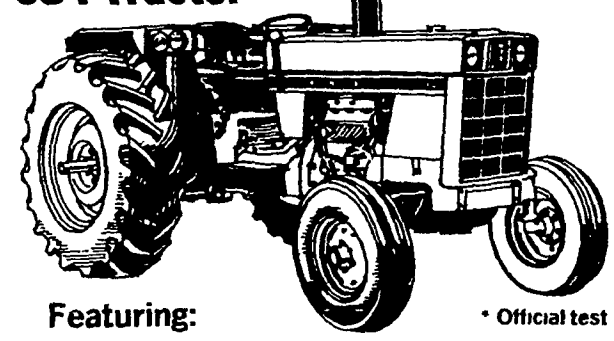
1953-1983 30th Anniversary

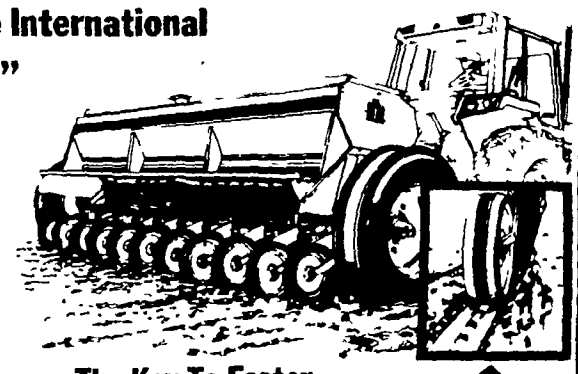
SEE US AT AG PROGRESS DAYS

INTERNATIONAL® 684 Tractor
62.5 PTO hp*



Featuring:
Fully Syncronized Speed Transmission w/16 Forward, 8 Reverse, Including TA.
* Official test

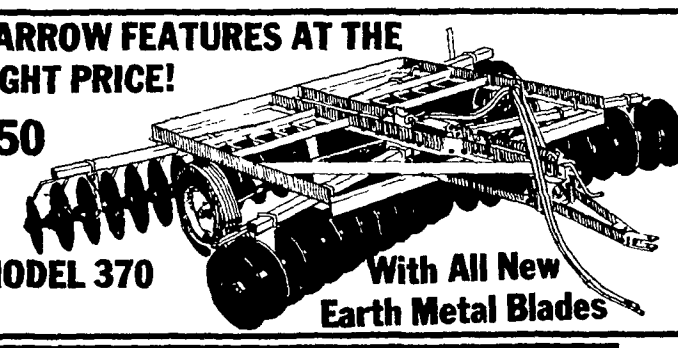
GET UP TO 25% MORE GRAIN AND BEANS!
Drill With The International "5100 Special"



20x6 Seed Spacing Will Result In Greater Productivity

The Key To Faster Emergence Is This IH Dual Rib Press Wheel

BIG HARROW FEATURES AT THE RIGHT PRICE!
$3850



IH MODEL 370
With All New Earth Metal Blades

A GOOD SELECTION OF USED EQUIPMENT

TRACTORS
IH 1086 w/cab (excellent)
IH 656D, Hydrostatic Drive

TILLAGE
Glencoe 13 shank Chisel
JD 350 6 bottom auto reset Plow
Brillion 10 Ft Packer
White 4 Bottom, 16" Plow
Krause Model 1580 Single Wing Fold Disc Harrow
IH Model 55 9 Shank Chisel Plow, Demo
IH 53, 4 Row Cultivator w/3 Pt Hitch
IH 311 plow
IH 710, 5 Bottom Plow, Auto Reset
IH 37 Disk Harrow

PLANTERS
IH 800 4 row corn planters, dry fertilizer, monitor, insecticide, excellent condition Don't Miss This Good Buy - Waiver Till Next March 1984
IH 400, 6 Row, Monitor, Fert Attach , Insecticides, Fully Equipped
IH 56, 4 Row, Fert
Int 56, 2 Row

MESSICK FARM EQUIPMENT, INC.

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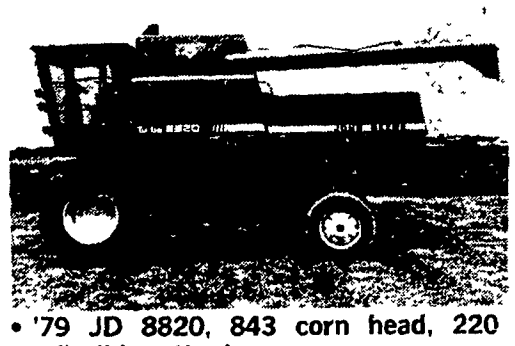
USED TRACTORS
Waiver of Interest until March 1, 1984
- '64 JD 4020 Diesel, wide front
- (1) '78 4240 cab, quad range, transmission, 18.4x38 tires, low hours
- '76 JD 8630, 4WD w/dual 30.5x32 - 24.5x32 dual tires, 3765 hrs., nice condition
- '68 JD 5020 With Duals
- '75 JD 4430, cab, air, synchro transmission w/creeper gear & dual 18.4x38 tires
- '59 AC D17 Diesel
- '69 Oliver 1850 Diesel
- TO-30 Ferguson
- 8-N Ford

CORN PLANTERS
Waiver of Interest until April 1, 1984
- '82 AC Model 333, 15-20" Row, No-Till Bean Planter, Dry Fert., Insecticides
- JD 7000 8-30 Dry Fert. No Till Coulters Insecticides, Monitor
- IH 6-30 air planter
- JD 1250 plateless

USED CHISEL PLOWS
- IH 13', 3 Pt.
- Graber 26" Flex

USED PLOWS
- JD F145 - 5-16 Semi Plow
- JD F145 - 5-16 Semi Plow w/harrow attachmant

USED COMBINES
Waiver of Interest till May 1, 1984
- '72 JD 4400 - 14 Ft. Platform
- '75 JD 6600 Rotary Screen, 15 Ft. Platform
- '71 JD 7700 - 220 Flex Platform
- '74 JD 7700 - Rotary Screen, Mud Hog Drive, 16 Ft. Platform
- '79 TR-70 NH w/15' flexbar & 6-30 corn head, 2 yrs. old



- '79 JD 8820, 843 corn head, 220 flexible cutter bar

'81 JD 8820 4 wheel drive, factory duals, 1100 hrs., w/1243 corn head & 220 flex cutter bar, exc. shape

CORN HEADS
Good Selection of John Deere
343-443-444-643 Cornheads

MISCELLANEOUS EQUIP.
- Brillion 9' rotary mower
- JD 653 row crop bean head
- JD RG4 cultivator
- JD 27 flail shredder
- Brillion 3 pt. 4 row cultivator
- JD BWA 14' Disc Harrow
- M&W 450 grain dryer, PTO dry
- JD 210 14' disc harrow
- JD 38 Harvester w/2 RW Head
- JD 38 Harvester, Electric Controls, w/2 RW Head, 5½' Pickup Attachment
- JD RG8 Cultivator, 8-30" Rows
- JD 1210 Grain Cart 400 Bushel

W.N. COOPER & SON, INC.
Morgnec Rd. Rt. 291
Chestertown, MD
301-778-3464

TRACTORS AND EQUIP. JUST PURCHASED (New A.C. 8050 P.S. w/radial tires list 56, cost 44, our price $35,850. used JD 4640 P.S. fully eq. like new; used JD 4440 Q.R. 300 hrs. like new, used JD 4440 C.A., P.S., looks like new. JD 4630 cab, air P.S. w/front whl. drive; Farmall 786, Farmall 766 original; (SOLD) Ford 640, MF 300 diesel combine w/cab and air grain and 3 row C.H. (nice); NI 325 picker w/12 roll bed; N.I. 324 picker w/12 roll bed; JD 310 Disk, like new; FROM 5 FARMS Farmall 1566 C.A. w/20:8x38 factory duals is in field working for sale field ready, Case 1370 C.A. PS - factory duals and full wts. JD 4010 D.W.F. Dual Hydraulic, JD 4620 w/cab and air and dual wheels, JD 3020 gas P.S., AC, 7010 C.A., P.S., 20:8x38 tires, full wts., light package looks like new, AC 220, AC 5040 used 130 hrs. Ford 7600 w/dual power, MF 1080D nice. JD 5020 nice original w/dual wheels. Farmall 966 original for $9800.00. Farmall 504 original w/P.S. and 3 pt. Int. 674 w/loader. Oliver 880 W.F. fully equip. White 4-150-4 Wheel drive, fully equip. for $12,500.00. JD 4010 gas, 2630 w/146 loader, JD 2840,. JD 430 utility w/loader (SOLD); JD 60; Farmall 1066 w/cab & air $12,800. Int. 444 utility gas, w/P.S. for $3850. Farmall 1066 for $9950. Farmall 1586 C.A. w/20x38 duals used 1200 hrs. extra nice, Farmall 656 gas. 706 gas, Case D.B., 990; Farmall Super A w/cult. Int. Cub 154 Lowboy.

Hay eq. just traded, used NH 320 baler, Rakes, new NH 256, MC 9E Rotary Scythe.

Used Int. 1190 Haybine, used Int. 430 baler w/thrower.

New Holland 1034 Auto-Bale Wagon used 3 yrs. NH 1012 and 1010 bale wagons, used J.D. 3960 Harvester.

18 ft. hay bale wagon on 8 ton running gear.

JD 3020 Tri D. JD 4020D W.F., D.L. and 2 values w/cab. New Ford 7600 w/front whl. drive, JD 4020D W.F. P.S. 2640, Farmalls 1586 4 post R.G. w/duals, 1086 w/cab, 886 w/cab, like new; 1206 extra nice, 756D W.F. original, Int. 674 Utility D. N.H. 363 tank spreader 1 yr. old. CHISEL PLOWS- new Ford 13-15-17 ft. 3 pt. w/gauge whls.

HAYBINES- (new) Int. 1190 List $8900. Our Price $6450. only 1 left. New Gehl 1090 for (SOLD)$4850. New NI 272 cut/ditioner- $3450; Used NH 489-$4000; Used NH 489-$3875; Used NH 477 used 85 acres, like new N.H., 479. Used JD 1209-$2475; New & used Grim 4 star hay tedders.

(Just Traded) N.I. 702 uni w/729A sheller and 743 3 row Q.A. corn head, real nice and field ready.

New AC 7010 w/20 sp. trans., Farmall 686D, MF 1805 4 whl. drive fully eq. for $16,500. White 4-180 4-whl. drive, fully eq. $16,500. Used 966-1 owner original, 1972 JD 4020, 3020 S.C. power shift, JD 4020 S.C. w/cab, 1968 JD 4020. Used Case 2090, MF 1135 w/cab, Ford 3000D. Farmall 350 w/P.S. and F.H., Farmall 450 gas PS and F.H., Ford 6000 Commander D, comp. rebuilt.

Balers (new), NH 315 w/#75 thrower for $9300. used JD 336 w/thrower real nice; NH 280 w/hydraulic tension and thrower in field working. New Idea #456 round baler, (new), NI 404 wheel rakes $985.

(Combines on our lot)

1977 JD 4400 Dsl. CA real nice like new; JD 8820 fully eq. w/4 whl drive and dual wheels used 450 hrs. New JD 4420 fully equipt. 443 C.H. New Holland TR 85 w/grain and 6 row C.H. like new. Int. 1460 axel flo fully eq. w/both heads IH 715 w/German motor used 400 hrs. like new. 1975 JD 6600D rotary screen, good cond. 1976 Int. 715D, w/air & 13 ft. grain, field ready, never used in corn, 1977 Gleaner L2 hydro w/6 row C.H. 1976 Gleaner FD w/air and both heads; 1976 Gleaner KKS cab & air w/grain, 1976 Int. 915 grain head $19,900, 1979 MF 550D, excel. w/grain and corn heads. 1975- MF 510 hydra. w/grain and corn.

MF 410 D. w/cab & Q.T. Grain head.

MF 510D w/cab, Quick Tach grain for $6950. Case 960 w/cab and grain, real nice.

1968 Gleaner CII diesel w/cab and 4 row C.H., JD 7700 D w/grain & corn head.

1969 JD 55 sq. back corn special w/cab and 2 heads; Int 715 gas w/cab, 810 grain Int. 810 13 ft. floating cutter bar.

Int. 303 w/cab, 1972 Gleaner F w/grain & C.H.

JD 6600D combine w/flex grain and C.H., AC 90 pull combine.

NI 702D w/cab $6200. NI 702 w/729 A sheller.

JUST TRADED- used Int. 3588 2+2 Int. 986 w/cab, 886 w/cab, 1066, Farmall M w/NI 319 mtd. picker, Ford 7600 w/dual power, Case 1410D. (Harvesters) NH 890 w/3 row 30" C.H. 2 row snapperhead and pickup head. JD 243 snapper head. Forage Wagons.

NH #8 Tandem (SOLD) Axle, JD 216 - tandem axle. Lamco Forage Wagon- 18 ft. Hay wagons w/8 ton running gears. NI 325 picker w/12 roll bed, JD 237 mtd. picker and sheller.

Just Purchased (new) 2 NI 323 cornpickers at old prices. (new) NI 272 cutditioner.

Used Fahr rotary 7 ft. haybine. JD 340 12 ft. offset disc, Glenco SS9 Soil Saver, JD 210 14 ft. Disc, JD B 16DD w/grass seed drill, Glenco SS13 Hydl. fold Soil Saver, Hesston #30 Stakhand.

TRACTORS & EQUIP. Farmall 1566 w/cab and duals, Used White 2-105 w/roll guard.

New John Deeres 4240 cab & air Q.R. for $29,900; New JD 4440 C.A. QR w/radial tires. Six real nice balers, NH 851 Round Baler (nice); JD 500 Round Baler; Hawk Bilt round baler. 2 used NH baler w/throwers #280, 269.

Corn Heads JD 643, 444, 843, 343, 443, 435N, 313 for 45C, 334, 235, Massey Ferguson 1144 like new, 63, 43, 44, 24, 222, 422, Gleaner L438, F430, L630, F438, K238, F335, F330, M430, K330, Int. 863, 864, 843, 743, 227, NI 4 row 40" heads, Case 4 row 40", MF 44 & 43 Lo Profile, Int. 6 row, 30" for 503, NH 4 row 38" C.H. New JD 444 $7350, used White 706N C.H. NI 738 and 728 4 row 30"

(New Farmalls) 5088 fully eq., 3688 fully eq.

(Used Farmalls) 986 w/cab, 686 nice. 706 gas, 806 diesel w/cab original- Nice. 1206 real nice, used JD 4230 w/R.G. and creeper gear, 1966-4020. We have 6 JD 4020 side console diesels. JD 2440 w/R.G., JD 2640, 1970 JD 5020, 4010D WF w/dual hydraulic, Ford TW20 w/cab w/220 hrs., damaged, give us an offer, 1972 JD 4020D, WF. JDA w/P.S. & loader. Farmall H, Ferguson 35 original.

TRACTORS AND EQUIP. New NI 324 picker w/super sheller list $15,390. Special $8,475. New NI 325 picker w/super sheller, Farmall 706 w/310 German D w/cab, JD 2520D, MF 1135 w/R.G. and dual wheels, MF 1105 w/cab, real nice, Int. 656 utility Hydro D. NH 890 2 row snapper head. JD narrow 30" 2 row head, like new.

NH S717 w/2 row 30" C.H. M.H. 717 w/C.H.

NI 325 pickup w/12 roll bed used 4 yrs.

TRACTORS 1977 JD 4230 cab, air, quad, real nice. JD 4320, Farmall used 1566 cab and air w/new T.A., Farmall 544 gas W.F. Farmall 706D WF & 3 pt.; NI 324 picker w/super sheller used 80 acres.

JD 4020 W.F. power shift, good tires ; Case 1070 P.S. $6975; JD 4010 Tri D, Farmall 766, 1 Case 930 Standard, New Holland 770 w/2 row 30" C.H. NH 890 Harvester w/2 heads, Deutz 9006.

CULTIVATORS - New Case 3 pt. 8 row Hydro fold. JD 4 row & JD 6 row rear.

CORN PICKERS - Used N.I. 325 w/12 roll bed current moded. Used (2) N.I. 324 w/12 roll bed (325 N. w/sheller), NI 3 row 30" picker w/super sheller, New Idea shellers and Super shellers, N.I. 2 row 30" picker w/grinder. Int. 234 w/12 roll bed. NI 319 mtd. picker, JD 300 w/2 or 3 row C.H. Used NI 323, 324, #10.

JD 4020 w/58 Loader, JD 4320 w/cab.

Farmall - 1568 - V8 w/cab & air used 1000 hrs., 1566 w/cab, 1466 w/cab. 886 w/cab, 800 hrs., like new. 856D nice, Steiger Bearcat 4 whl. drive w/dual wheels and new motor in excell. cond.; Farmall 460 Gas w/F.H., Farmall 756 gas, Hi Crop- 656 diesel, 756, Cub Cadets 1650, 1450, JD (SOLD) 300, 210, 112, Farmall cub w/mowers.

Cub 154 Lo-Boy.

HARVESTERS. Used Int. 720 - 2 row. NH Super 717 1 row, J.D. 38 Chopper w/2 row, JD 3800 w/2 row C.H., Fox 2 row snapper head. NH 770 1 row snapper C.H.

Gehl 400 w/2 row snapper head W.N. and pickup head, Fox 2 row 30" Silage Head, JD 1 row snapper head for 38 & 3800.

ALLIS CHALMERS AC 185 w/turbo. 7040 w/cab, power shift like new, low hrs. 220 original, 180D, 210 w/new 20.8x38 tires, AC H3 Crawler w/blade and winch.

2 JD 4 wheel drives 8630 fully eq. w/duals; & 7520 fully eq. w/duals.

JD 4010 LP Gas (nice) $3750.

JD 4030, JD 5020 puller.

FARMALLS: used 1086 w/cab, air, 1 owner-looks like new, 20x38 tires for $19,500, 1066 red cab & air, Used 686 w/cab & air, 1206 w/cab, 806 w/3 pt. & 38" wheels, Farmall 656 Diesel & 656 gas, Farmall hydro 70 w/w.f. and 3 pt., 826 hydro D nice. Farmall 400 gas w/P.S. F.H.

New White 2-65 w/front whl. drive and new 1730 loader, list $29,000.

Dealers net $23,700. Our special price $21,850.

New White 2-105 w/cab $22,850.

MASSEY FERGUSON - 2805 24 spd. w/duals nice, 2 MF 1155 w/C.A. M.P., MF 1130 for $6250. MF 165D.

(Case) New 2090 Cab & Air, power shift. Case 1030D for $5700. Case 830 W.F. and 3 pt. Case D.B. 1200 for $3900. D.B. (SOLD)995D, Oliver 1950T w/cab, 2050, 1855 w/20:8 tires 1800, 1850 w/cab, 1855 w/duals, Super 77 diesel, Ford 3000D, MM Vista 1000 w/cab and loader, MM S670 diesel.

JD 2510 gas.

N.I. 702 Uni tractors w/ combines & 729A and 729 Uni shellsers w-3 & 4 row 30" and 40" heads. Used JD 13 to 15 ft. grain heads

IND. EQUIPMENT - Int. 500E crawler loader w/270 hrs., like new, JD 555 (SOLD) Loader. Int. 510 4 whl. drive payloader used 500 hrs. like new. Cat 933 crawler loader.

AC 600-21 ft. forklift.

Int. 3400D. L&B Howard 3 pt. backhoe, Long 1199A-3 pt. Backhoe like new $3850.

Ford 340 skid loader.

JD 4020 w/58 loader.

Mechanics Specials.

Case 1030 Needs Trans. work for $3,000. Bobcat Skid Loader (SOLD), Int. 3200 Skid Loader needs (SOLD)parts. Case 1410 motor. Farmall 706 gas needs trans work, $2900.

MF 1155 CA MP needs trans. work $8850.

JD 1020 D. wrecked.

PLANTERS- Used Int. #800 6 row fully equipped w/no til and monitor-NICE. JD 7000 six row w/fert. fill, plateless, inst. w/minimum till & monitor, (new) White 5100 4 row planter w/monitor, JD 1460 6 row no-til liquid plateless Inst. - $1975, JD 6 row conservation inst. fert. fill, population monitor and acre fully equipped. Used White 5400 4 row air, w/dry, Inst. no til and monitor for $2000.

Used JD 4 row conservation w/liquid fert. and monitor, Oliver 6 row no til w/dry fert., inst., fert. fill and population monitor JD 444 corn heads from $2450 and up.

John Blue 400 gal. sprayer.

Cabs for JD and Int. Tractors.

Glenco 12 ft. 9" Soil Finisher like new.

JD B grain drill 14x7 w/grass seed $575, Farmall 560 w/Int. 234 mtd. picker, $3775.00.

Pick-up heads for NH 770, 717, Miller 12 ft. offset disk, JD Disks #210 - 12x14 ft. New Westfield grain augers 41 ft. 8" KD=$1395, 56 ft. 8" KD=1995. Used Manure spreaders - NI 214 nice, NI 14A, JD 54 & 40 like new, NH 346 tank spreader, 2-Int. 200 ground drive, excl., NH 27 & 28 Blowers, Kawannee 12 ft. roller harrow, good.

H.N. (SOLD)36 & 33 Flail choppers.

PLOWS - JD 2500 6x sp. reset, JD 5x hyd. Int. #700 5X auto reset, fully eq., White 5x auto reset, Oliver 4x16 rollover, JD 3x16 rollover, Chisel Plows, JD 10 ft. pull type, Brillion 10, 12, 13 ft. 3 pt. Chisel Plows. Brady 10 ft. chisel plow Rockland rock picker. New Johnson loader.

Bush Hog 6 & 10 ft. (SOLD)3 pt. rotary cutters.

Int. 3 pt. 7 Shank V-(SOLD)ripper, Brillion 3 pt. 5 shank V-ripper, new 12 ft. 3 pt. field cultivator.

NI and JD wheel rakes, 2 Used Gravity Bins on running gears.

Straw choppers for combines; JD 4400, 7700, 6600, MF 510, 550.

JD Disks- TW 12 ft. heavy disk; White 252 - Dual wheel disk. JD 65 & 66 blower. Woods 4 row stalk shredder.

Used JD 400 15 ft. rotary hoes, Kawanee 22 ft. Wing Disk, Int. #510 24x7 DD grain drill-nice.

Int. 510 18x7 S.D. w/grass seed.

2 Ontario grain drills on steel wheels w/disc openers nice. 2 Ford 3 x 3 pt. plows.

DRILLS- Used JD 8300 21x7 DD w/press wheels; Used JD 8200 21x7 DD w/grass seed.

Loaders - Used JD 146, MF loader for 1105, New G.B. loader, M.F. loader for S90 3 pt. hitch for 630 and 730 JD tractor. New and Used J.D. Quick Couplers. 4 Used 30.5 x 32 tires.

Int. front whl. drive attch for 56 & 66 Tractors.

No Til Attachment for Int. 4 row 400 planter complete.

TRUCKS - 1979 Chev. C65 24 ft. rollback w/61,000 miles, like new, KW truck tractor fully eq. looks like new, Delta 44 ft. combine trailer, 1980 Silverado Chevy diesel w/every option, looks like new.

(New) NH Direct cut head for 770. (New) Kill Bros. gravity bins. New Kill Bros. 6 & 8 & 10 ton running gears. Pick up heads for Int. 550, 650, 350, Fox pickup head, (20) sets of dual wheels all sizes.

JD front & rear weights, IH front and rear weights.

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home 215-562-7451

USED FARM EQUIPMENT

JD 4440 tractor, 285 hrs.
JD 4240, like new
JD 4430 w/duals
JD 4520
JD L Tractor w/plow & cultivators
MF 220 w/mower, 100 hrs.
JD 3x16 3 pt., mounted, $325
JD 1250 3x16 plow, like new
JD F125, 4x16, 3 pt. plow
JD F145A 5x16 semi-mount plow
JD 1450 5x16 semi-mtd. plow
Freeman loader for MF 135 tractor
Farmhand loader for JD 3010
JD 465 flail spreader, like new
NI 208 spreader
NI flail spreader
JD 336 baler w/ejector
NH 855 round baler, 2 mth. old, like new
JD 24T w/ejector for parts, $475
JD 14T baler w/#2 ejector
JD 567 6 wheel rake, like new
IH 56 corn planter w/disc openers
JD 38 harvester
JD 494A Planter
White 5400 6 row N. no-till planter, 2895, as is
JD 8300 grain drill, dd openers, 21x7
JD FB 13x7 grain drill
JD FB 17x7 grain drill
JD 506 3 pt. 5' rotary cutter
JD 444 corn head
JD 494 planter
JD 400 grinder mixer
JD 6620 sidehill combine w/15' flex platform and 6RN corn head

NEW FARM EQUIPMENT SPECIALS

JD 2440 Tractor — Call For Special
JD 410 Round Baler — Reduced Prices
JD Cash Rebate Available on all the above equipment
Please call for details

	L.P.	S.P.
JD 115 10' Disk Harrow	4533.00	3850.00
JD 950 Roller Harrow 12	6133.00	5250.00
JD 90 Skid Steer loader	10,633.00	8495.00
JD 146 loader	3576.00	2750.00
Artsway forage boxes, 16, 3 beater w/roof	5287.00	4895.00

PACE

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Ford 10¾% Interest
Program ends Aug. 30, 1983
Buy now interest free
until Jan. 2, 1984

Rent
a Moore Drill for
$10 an acre

Financing Available.
We Trade.

TRUCKS — 1974 Louisville 9000, 290 Cummins engine, 10 speed Road Ranger. 1974 Louisville 8000, Cat engine 3206, 5 speed - 2 speed rear. Ford dump truck model F600, tires good tread.
INDUSTRIAL EQUIPMENT — 1972 JD 410 TLB, Cat loader model 941 power shift Serial number 80H2950. AC loader model HD7G. Ford 445 TL. Ford skid loader model 340. Ford 340 TL 340 IH crawler. Four-in-one bucket Ford 4400 Huber maintainer w/Ford industrial engine 3 forklifts. Ford 4000 diesel engine, 8 spd trans w/forklift attachment, side shift, fold up fork. Ford 600 w/cab & forklift. Trac self-propelled asphalt paver Wheel trencher. 3 used trailers 9, 15 and 35 DT Sullaire air compressor model 150
FARM TRACTORS — Ford TW 10 w/cab. Ford 9600 w/dual power & cab. Ford 9600 w/cab Ford 7700 w/cab. Ford 4610 w/rollbar Ford 4000 New Ford 3610 synchro mesh trans. Ford 3910. Ford 8N Farmall Super M T/A. Farmall H Farmall A w/loader IHC Cub Lo Boy w/5' mower. Kubota 345 four wheel drive w/loader, 525 hours Kubota 305 four wheel drive, 175 hours AC CA plow & cultivators. Ford 1600 w/5' undermount mower Oliver 770, Case model AC, IHC Cub LoBoy w/front blade & rear mounted flail mower
FARM IMPLEMENTS — Moore no-till drill Haybuster no till drill Owatonna swather model 260, cab and air, self-propelled, used 2 seasons Gleaner combine model E3 w/combine & grain head, cut only 400 acres, like new
Tartan tent trailer w/sink, stove, refrig & heater

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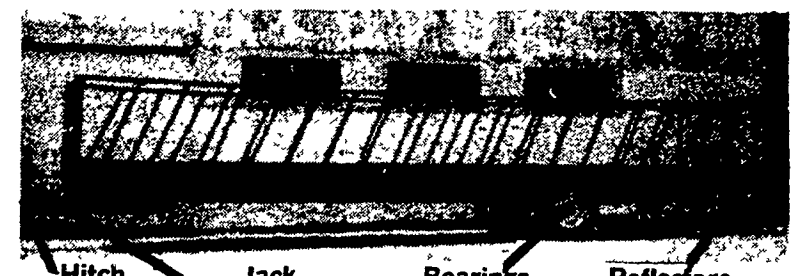
ALL PURPOSE FEED TRAILER All Metal Construction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Bearings
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Reflectors
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* Length 24' & 30' + hitch
* Cattle can eat out of all 4 sides
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* Suitable for feeding cows, heifers, steers etc.
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New Idea Gehl Brillion — Hesston Bush Hog Glencoe — Wic Kilbros Gilson Toro — Trustworthy Hardware! The Problem Solvers

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NEW EQUIPMENT

	STARTING PRICE	DAILY REDUC.	PRICE 8/20/83
7' 3 pt. HD Blade	$575.00	$1.00	$574.00
206 3 pt. 6' Bush Hog Chopper	$1425.00	$4.00	$1421.00
34' Little Giant Elevator	$2295.00	$4.00	$2291.00
Little Giant Corn Drag	$795.00	$2.00	$793.00
4.7 Ton Schuld Bin	$866.00	$2.00	$864.00
Pequea 3 pt. PTO Cordsaw	$695.00	$1.00	$694.00

USED EQUIPMENT

10' Vicon 3 pt. Power Harrow	$1995.00	$3.00	$990.00
729A NI Uni Sheller	$3750.00	$5.00	$2075.00
56 IH Blower	$1194.00	$3.00	$750.00
55 IH Chisel Plow 12 Tooth	$2352.00	$4.00	$1760.00
Ford 3 pt. 2 Row Cultivator	$390.00	$1.00	$242.00
AC 3 pt. 4 Row Cultivator	$932.00	$3.00	$488.00
770 NH Harvester w/2 RN & PU	$5951.00	$5.00	$5211.00
676 NH Tandem Axle Spreader w/gate	$3254.00	$5.00	$2514.00
449A IH 4 Row Planter	$694 00	$3.00	$250.00
FB 88 Gehl Blower	$850.00	$2.00	$848.00
66 JD Blower	$1390.00	$3.00	$1387.00
FB 99 Gehl Blower	$1395.00	$3.00	$1392.00
SSP-5 Glencoe Soil Saver	$3890.00	$5.00	$3885.00
10' Bush Hog 10 Tooth Chisel	$1495.00	$3.00	$1492.00
6' Case 3 pt. Rotary Chopper	$450.00	$2.00	$448.00
11' AW JD Transport Disc	$950.00	$2.00	$948.00
10' KBA JD Transport Disc	$1050.00	$2.00	$1048.00
51' PTO Transport Auger 8"	$1890 00	$4.00	$1886.00
Grove Corn Drag	$350.00	$1.00	$349.00
Allied 1 Ton Grinder/Mixer	$2350.00	$4.00	$2346.00
MX 120 Hyd. Drive Grinder/Mixer	$3850.00	$5.00	$3845.00
686 IH Tractor - 825 hrs.	$14,900.00	$20.00	$14,800.00
782 NH Harvester w/2RN PU	$6490.00	$10.00	$6480.00
717 NH Harvester w/2RN	$1950.00	$4.00	$1946.00
140 Hesston Front Runner 48"	$1095.00	$3.00	$1092.00
Toro 11 HP 32" Mower & Catcher	$1395.00	$4.00	$1391.00
Sears 10HP Mower	$750.00	$3.00	$747.00
212-217 NI Single Beater Spreader	$1695.00	$4.00	$1691.00
214-217 NI Single Beater Spreader	$1595.00	$4.00	$1591.00
213-215 NI Triple Beater Spreader	$2550 00	$5.00	$2545.00
218 NI Spreader w/Hyd. Gate	$3150 00	$5.00	$3145.00
Wic 3 pt Straw Chopper	$1095 00	$2.00	$1093.00
IH 6x16 Semi-mount Plow	$2190.00	$4.00	$2186.00
83 Oliver 2 Row Wide Pull	$2490.00	$5.00	$2485.00
324-326 NI 2 Row Wide Pull	$2995.00	$5.00	$2990,00
Dion 3 Beater Unloading Wagon w/Roof	$3890.00	$7.00	$3883.00
Gehl 2 Beater Unloading Wagon w/Roof	$1450 00	$5.00	$1445.00
Kasten 2 Beater 16' Unloading Wagon	$1890 00	$5.00	$1885.00
767 NI Super Chopper	$3900.00	$7.00	$3893.00
763 3 RN NI Uni Harvester Head	$1800.00	$4.00	$1796.00

USED TRACTORS

JD 4630, cab, air, power shift, exc. cond.
JD 4430, cab, air, quad range trans.
JD 4430, power shift, roll guard
JD 4320, no cab
JD 4520, new tires
JD 4020
JD 4020, power shift
JD 2020 diesel
JD 3020 gas
JD 3020 Diesel, Syncro
JD 4010 gas
JD 4010 diesel w/year-round cab
JD 720 diesel electric start
JD 3020 diesel, power shift
IH 966, cab and air
IH 1086 cab & air
IH 766, like new
IH 1466 w/cab
IH 1256 w/cab
IH 656 wide front
IH 574 w/loader
IH 2400 w/loader
Ford 5000 diesel, late model
AC 5040 diesel, PS, 3 pt. hitch
AC 210 diesel
White 4-180 w/duals, quick coupler, used 2000 hours.

USED COMBINES

JD 7700 diesel w/6 row corn head
JD 55 corn special
JD 6600 Diesel
JD 4400 w/4R cornhead
Oliver 525 w/2 heads, exc. cond.
NI 702 tractor w/710 combine

USED PLANTERS

JD 7000 conservation, 6 row, dry fertilizer, monitor, used on 500 acres
JD 494A
White 5400 air planter w/no-till attachment
IH 510 grain drill, real nice

USED HARVESTERS

JD 5200 w/cab and air, used 1500 hours
Fox 3000 w/3 row corn head
Fox 2000
Fox Custom 90
NH 770 w/2 heads

MISCELLANEOUS

1970 IH 1800 truck w/14' grain body & hoist, exc. cond.
1973 Chevy w/22' Jer-dan body, exc. cond.
1971 Ford LN 8000, w/Schwartz 26' rollback body, 5 sp., trans., 2 sp. rear, Cat diesel engine.
1980 Chevy tandem w/26' Jer-dan rollback, like new
Gehl 65 feed grinder
JD power till grain drill
IH 510 grain drill
IH Bigroll baler
JD 346 wire baler w/thrower
NH 278 baler
Keewanne 20' hydraulic fold disc
JD 21' hydraulic fold disc
Large selection of smaller discs
Large selection of plows from 3 to 7 bottom
Gehl 2600 skid steer loader, used 800 hours
Gehl 9' haybine, like new
NH 469 haybine
New Farmhand loaders for IH and JD tractors

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FARM EQUIPMENT

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IH 915 Diesel Combine 283 Hrs., 13' Platform & 4 row Corn Head (real nice)	$19,500.00
JD 2840 Tractor Cab + Air, 1255 Hrs., New Radial Tires	$15,000.00
JD 2240 Tractor Hi-Lo 195 Hrs. (like new)	$14,000.00
Ford 8000 Diesel Tractor (nice)	$11,000.00
7000 JD 4 Row Dry No-Till Planter	$6,000.00
7000 JD 4 Row Dry Planter	$4,500.00
1440 JD 4 Row Dry No-Till Planter	$3,200.00
JD 336 Baler w/30 Ejector (like new)	$4,200.00
640 Rake w/New Teeth	$1,000.00

Plus Several Good Disks & Plows To Choose From

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New Tractors on Stock
IH 3688 w/cab
IH 3288 w/rops
IH 684
IH 784
IH 484

New Hay Equipment
IH 428 baler w/thrower
IH 1190 9' mower conditioner
IH 781 forage harvester
IH 881 forage harvester
IH 130 16' forage box

New Tillage on Stock
IH 720 6F-18" toggle trip on land plow
IH 720 5F-18" auto. reset plow
IH 510 4F-18" plow
IH 475 12' disc
IH 480 13' 5" disc
IH 496 19' flexwing disc
IH 4500 12' field cult.
IH 5500 11' Chisel-plow

WHITE TAG SPECIALS
IH 881 forage harvester w/2R head..... $12,950

USED TRACTORS

IH 1086 D w/cab $22,500	
IH 966 D hydro w/cab $12,500	IH Super C $1250
IH 806 D w/3 pt. $8500	IH 484 D w/300 hrs. $10,500
IH 684 D, w/99 hrs. $13,650	IH Super C, real nice $2150

Waiver of finance until 9-1-83 and 11.9% interest

USED CORN HARVESTING & COMBINE EQUIPMENT

Fox 1 Row Corn Head for a 546 . $150	MF 300 combine w/13' platform & 2R head..... $7500
IH 80 pull combine (nice) $1850	

USED HAY AND FORAGE EQUIPMENT

IH 37 Baler w/thrower $1800	IH 2 rw wide and narrow head for 720 and 830 harvesters $1650
NH 770 Forage Harvester w/2 RW head and pick-up unit..... $5250	Lamco 16' forage box w/roof .. $1850
Woods C80 rotary cutter $750	IH 56 forage blower $750
JD 15 5' flail chopper $450	

USED TILLAGE

IH 401 16' Harrow $600	JD 21' transport harrow $1250
IH 560 6F 16" plow w/cyl. $1500	JD 55 3F 16" trailer plow..... $450
Brillion 15' cultipacker (end transport)..... $1250	IH 550 5F 16" plow $1250
	IH 710 5F 16" plow w/cyl. $2250

SPREADERS AND MISC.

NI Model 211 Spreader (Nice) . $1350	JD 29B 100 gal. sprayer $750
JD 300 elevator, 30'..... $500	NI 214 spreader w/hyd. endgate $1850
JD R gr. dr. spreader $500	

USED PLANTERS AND DRILLS

IH 56 4 row..... $1250	Oliver 2R planter $150
IH 400 4 row 38" $1500	IH 400 6 R 30" Planter, w/insect $3500
JD Van Brunt drill..... $500	JD 1240 4 R wide planter..... $1750
IH 249 2R planter..... $500	

Waiver of finance until 5-1-84

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NEW AC L2 COMBINE
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Reduced Price!!

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AC 7040D	AC CA	IH 656
AC 7045D	AC WD 45	IH 504 w/loader
AC 7050D	AC 5040D	JD 2010
AC 7020D	AC 5050D	JD 4010
AC 7010D	IH 756	JD 70
AC 7000D	IH 806	JD A
AC 440	IH 504	Ford 4000
AC 200	IH 300	MF 65D
AC XT190D	IH 340	MF 65G
AC 180D	IH Cub Low Boy	Case 300 w/Loader
AC 170D	IH 350	Case 800
AC 175D	IH H	Oliver 1650D
AC D19D	IH 140	
AC D14		

EQUIPMENT

New and Used Miller Discs and AC Discs
New AC 7' Haybine
(2) 315 NH baler and thrower
269 NH baler and thrower
14T J.D. baler and engine
AC 444 baler and engine
Farmhand grinder & blower
(2) L 425 NH Skid Loaders
731 Bobcat Skid Loader
610 Bobcat Skid Loader
630 Bobcat Skid Loader
1000 OMC Skid Loader
371 Bobcat Skid Loader
70 JD Skid Loader
Thomas Skid Loader
MC 600 Grain Dryer
65' 8" transport Auger
AC L, M, F, G&A Combines
NH 890 Chopper w/2 or 3 Row Head & Pickup Head
IH 830 Forage Harvester
Uni Harvester 708 & 702

NEW TRACTORS

JD 2950 MFHH
JD 4240
JD 4050
JD 4250
JD 4450
JD 2440
JD 4240 QR, SG Body $35,000
(2) JD 125 Skid Steer Loader, Dsl. 14 cu. ft. bucket 65" $15,000 ea. No Trade
JD 6620 Side Hill Combine

NEW MACHINERY

JD 445 Spreaders
JD 115 11' Disc
JD 315 13' Disc
JD 1326 Mower Conditioner
JD 660 Rakes w/rubber teeth
JD 3940 Fg Harvester Running Gears
JD 2600 5Bx18" Plow
JD 1250 Plow 3Bx16" $1800 N/T
JD 1250 Plow 4Bx16" $2450.95
JD 2700 6Bx18" Plow
JD 7000 Conservation Corn Planters 6R
JD 16x10 FF Drill $4000
JD 8300 18x7 FF Drill
JD 327 Baler w/ejector

USED MACHINERY

1-IHC 830 Fg. Harv. 1981 model, PU & 3 R.C. H $11,000
JD 6600 Combine, 13' grain head, 444 corn head $29,000
1981 White Combine 7300 w/704N 4 Row Corn Head $25,000
JD 400 Tractor Model 1981 w/60 mower $4,800
2-105 White Tractor $14,500
MF 175D Tractor w/loader $7,500
JD 90 Skid Steer Loader $7,500
(2) Gehl Wagons, Tandem Axle w/440 bu. McCurdy btm. $2,500 each

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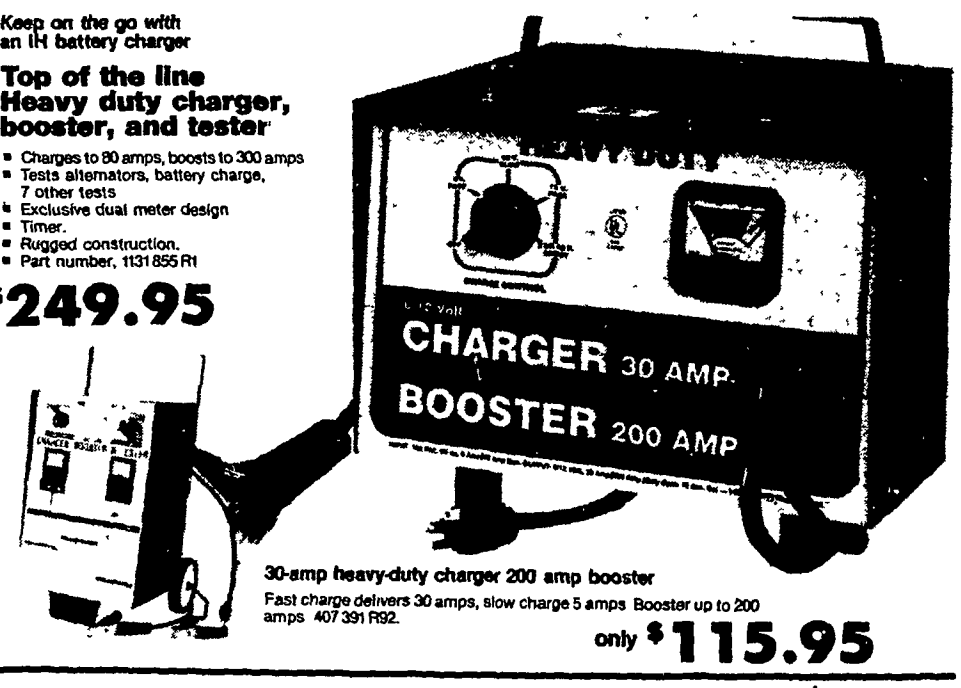
Top of the line Heavy duty charger, booster, and tester

- Charges to 80 amps, boosts to 300 amps
- Tests alternators, battery charge, 7 other tests
- Exclusive dual meter design
- Timer.
- Rugged construction.
- Part number, 1131855 R1

$249.95



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Tire Gauge
- Easy-to-read dial... from zero to 100 psi
- Brass gear movement assures accurate reading of tires with air or solution.
- For farm equipment, trucks, autos, campers
- Sturdy construction with unbreakable crystal
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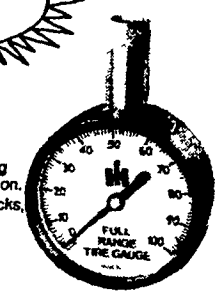
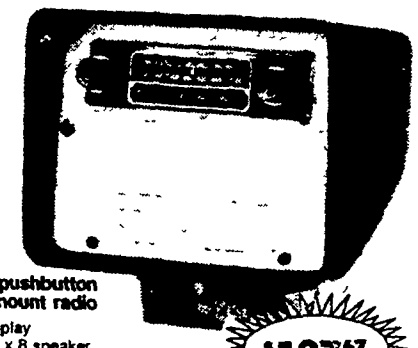


FOR YOUR LISTENING ENJOYMENT



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- Large 4 x 8 speaker
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$127.67

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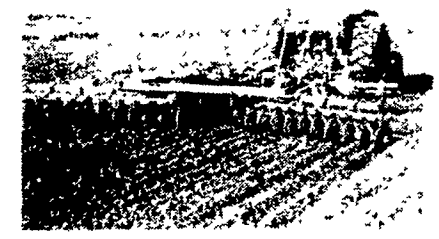
SAVINGS UP TO 40%

RHINO 76
Double Offset Disk

For faster incorporation, better seedbeds, and less time in the field, the Rhino 76 is the disk. The advanced double offset design lets you disk at faster speeds, vary the field speed on the go, and still leave a uniform, level seedbed behind. **Features include:** Unitized Flexible Mainframe, Overlapping Front Disk Gangs, Staggered Rear Gangs, Relube QUADRASEAL™ Ball Bearings, Two stage Leveling System, Dual Wheels on Models 14'6" or over (with 2 year warranty on QUADRASEAL™ Hubs), Tapered Front and Rear Gangs, Precision Machines Spacer Spools (with 2 year warranty), Heavy Duty Scrapers, Cover Disk, Tongue Jack, working widths from 8'10" to 18'9", and optional Spring Bearing Hangers (with 2 year warranty). Available in Rigid or Folding wing models.

RHINO 76 SPECIFICATIONS:	
Cutting Widths	8'10" to 17'4"(Non-Folding), 14'6" to 18'9" (Folding)
Weight Range	2690 to 5688
Number of Disks	24 to 48 (Non-Folding), 40 to 52 (Folding)
Disk Spacing	9"
Type of Disks	Cutout, Smooth, or Combination
Disk Size	22" or 24"
DBHP Required	45-125
Axle Size	1¼" Square
Bearing Mount	Spring or Rigid Trunnion
Number of Bearings	8, 12, 16 QUADRASEAL™ Cylindrical Ball
Approx. Weight per Foot	295

RHINO 77
Double Offset Disk



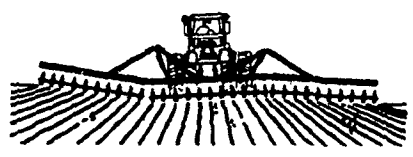
A high speed double offset disk with a rigid frame for larger acreages and relatively flat terrain. The Rhino 77 lets you disk at faster speeds, vary the field speed on the go, and still leave a uniform, level seedbed behind. **Features include:** Unitized 2 piece Mainframe, Overlapping Front Disk Gangs, Staggered Rear Gangs, Relube QUADRASEAL™ Ball Bearings, Self Leveling System, Precision Machined Spacer Spools (with 2 year warranty), Standard Wheel Carriages with Dual Wheels on 76" and 139" Tread Centers, or Special Carriages with 76" Inside Wheel Treads and 152" Centers on Outside Wheel Treads to fit 36"-40" beds, Tapered Outside Front and Outside Rear Disk Gangs, Cover Disk, Heavy Duty Scrapers, and Tongue Jack.

Available in Rigid or Folding wing models.

RHINO 77 SPECIFICATIONS:	
Cutting Widths	11'6" to 17'4" (Non-Folding), 17'4" to 21'6" (Folding)
Weight Range	3701 to 6848
Number of Disks	32-48 (Non-Folding), 48-60 (Folding)
Disk Spacing	9"
Type of Disks	Cutout, Smooth, or Combination
Disk Size	22" or 24"
DBHP Required	65-150
Axle Size	1¼" Square, Cold Rolled
Bearing Mount	Spring or Rigid Trunnion
Number of Bearings	12-20 QUADRASEAL™ Ball
Approx. Weight per Foot	302

RHINO B90
Tandem Disk

Proven for primary and secondary tillage, the Rhino B90 is rugged enough to handle heavy disking easily, yet precise enough for controlled secondary tillage in any field condition. Sixteen working widths from 15' to 27'. **Features include:** QUADRASEAL™ Double Row Tapered Roller Bearings (with 2 year warranty), 1¼" Square Axles, Spring Bearing Hangers (with 2 year warranty), Heavy Duty Unitized Mainframe, Precision Machine Spacer Spools (with 2 year warranty), Easy Leveling, Tapered Rear Disk Gangs, Cover Disks, Adjustable Angles of Cut and Depth, Heavy Duty Scrapers, Narrow Transport Width and 6 or 8 QUADRASEAL™ Wheel Hubs (with 2 year warranty) Available in working widths from 15' to 27'2".



RHINO B90 SPECIFICATIONS	
Cutting Widths	15' to 27'2"
Weight Range	6398 to 9465
Number of Disks	40 to 88
Disk Spacing	7½", 9", or Combination
Type of Disks	Cutout, Smooth, or Combination
Disk Size	22"
DBHP Required	130 to 180
Axle Size	1¼" Square, Cold Rolled
Number of Bearings	16 to 28 QUADRASEAL™ Double Row Tapered Roller
Approx. Weight per Foot	387
Transport Width	11'6"

RHINO 182/188
Tandem Disks

The Rhino 182 and 188 are heavyduty, flex wing tandems that will meet your primary tillage requirements. These units have the weight and features to make short work of your toughest primary tillage jobs.

Features include: QUADRASEAL™ Double Row Tapered Roller Bearings (with 2 year warranty), Heavy Duty Tubular Mounted Scrapers, 1½" Square Cold Rolled Axle, 21° Angle of Cut, Six-Lug Wheels with QUADRASEAL™ Hubs (with 2 year warranty), Complete Lifting and Folding Hydraulics, Vertical Swivel Universal Clevis, and Rigid Bearing Hangers (on 182) or Spring Bearing Hangers (on 188).
Available in working widths from 20'8" to 30'8"

RHINO 182/188 SPECIFICATIONS:	
Cutting Widths	20'8" to 30'8"
Weight Range	9448 to 13972
Number of Disks	48 to 72
Disk Spacing	10½"
Type of Disks	Cutout, Smooth, or Combination
Disk Size	24"
DBHP Required	180-320
Axle Size	1½" Square, Cold Rolled
Number of Bearings	16 to 28 QUADRASEAL™ Double Row Tapered Roller
Approx. Weight per Foot	458

Now Available: Our Hydraulic Leveling From 15 Ft. to 27 Ft. At Prices You Can Afford. Don't Hesitate...Call Now!

NOTICE! If You Incorporate Chemicals, Rhino Flex 90B Has An Exclusive Disk Blade Spacing Which Is Very Important! 7½" or 9" Disk Blade Spacing OR A Combination 9" Front 7½" Rear, Which Is Better For Chemical Incorporation.
Don't Settle For Less, Get The Best, At A Much Better Price!

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35% OFF

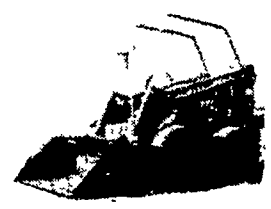
OWATTONA 1200A
Completely rebuilt, 30 HP Wisconsin engine, bucket & manure fork. NICE. Reg. Price $5,860
SALE PRICE $3,809

CASE 1830 HYDROSTATIC UNI-LOADERS

(1) S/N, 983 4144, 1977 Model, 60" Bucket, 7:00 15 Tires, Manure Fork
SALE PRICE $6,900

BEAUTIFUL OWATTONA 1700 SKID LOADER

Equipped w/Ford Gas Engine, w/Bucket & Fork
Reg. Price $5,860
SALE PRICE $4,950

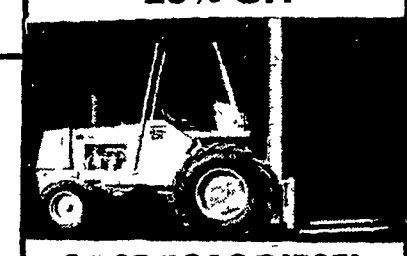


FORD CL-40 SKID LOADER
Ford V-4 gas engine, 60" bucket, canopy
3 To Choose From
- S/N 5434 **SALE PRICE $5,957**
- S/N 3121 **SALE PRICE $6,900**
- S/N 6563 **SALE PRICE $7,649**

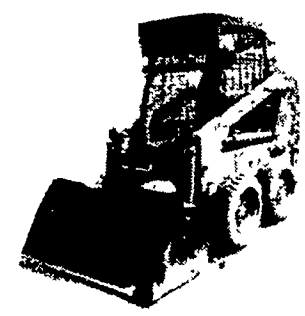
OWATTONA MODEL 330 SKID LOADER

Hyd. Drive, Approx. 25 HP
Reg. Price $3,980
SALE PRICE $3,750

20% OFF

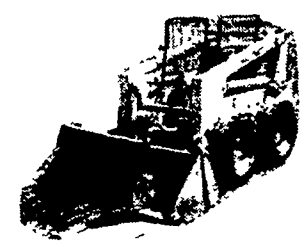


CASE 586C DIESEL
6000 lb. Forklift w/48" Pallet Forks
Side Shifter, Only 1079 Hrs
16.9x24 Tires, 14' Mast
Serial #9001042
Reg. Price $17,900
SALE PRICE $14,320



CASE 1737 UNI-LOADER
Narrow Tires, 37 HP, Quick-Tach Bucket, Water-Cooled Engine
Reg. Price $4845
SALE PRICE $3,876

CASE 1537 UNI-LOADER



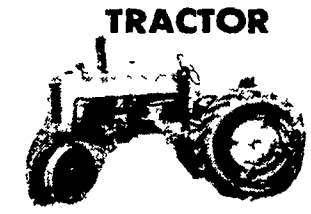
SALE PRICE $3,900

LOOK AT THIS!
Compact Hough Tow Motor

Rear Wheel Steering, Hard Rubber Tires, Large Drive Wheels On Front, Pallet Forks Approx. 36" Long, Engine Rebuilt 2 Years Ago. Lift About 4½ Feet High, Ideal For Warehouse Work. Ready For Work.
Reg. Price $3,600
SALE PRICE $1,900

IDEAL FOR MOWING AND CULTIVATING

JOHN DEERE 430 TRACTOR

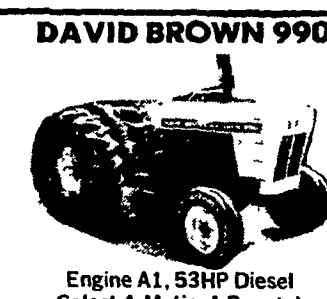


Gas, Narrow Front, 3 Pt. Hitch, PTO
SALE PRICE $1,880

IH 560

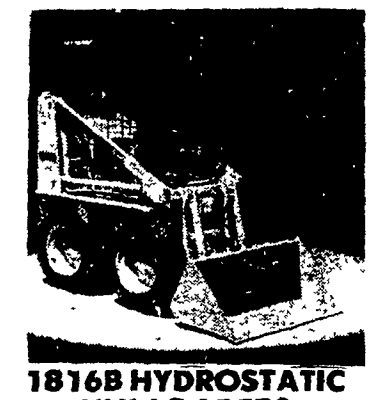
Wide Front, New Hyd. Pump, Good TA, 16.9x38 Tires, 50%
Reg. Price $3250
SALE PRICE $2,850

DAVID BROWN 990



Engine A1, 53HP Diesel
Select-A-Matic, A Beauty!
Reg. Price $4800
SALE PRICE $3,950

case

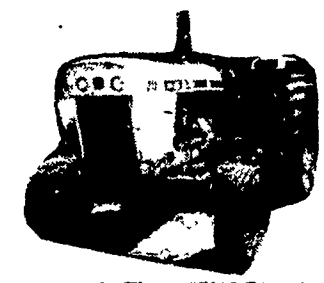


1816B HYDROSTATIC UNI-LOADERS

(1) S/N 983 7766, 886 Hrs., 1978 Model, 44" Bucket
SALE PRICE $3,600

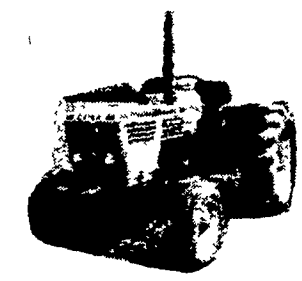
(1) S/N 9846417, 44" Bucket, 28.5x15 Tires, Rebuilt Engine
SALE PRICE $4,380

DAVID BROWN 1212



16.9x34 Tires, 65HP Diesel, 2289 Hrs., S/N 1004977
As Is SALE PRICE $3,900

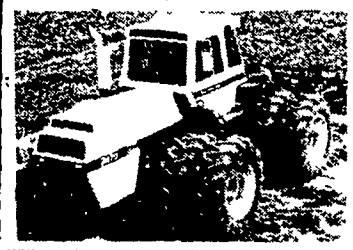
DEUTZ 4506 DIESEL



670 Original Hrs.
Must See To Appreciate
Reg. Price $7650
SALE PRICE $6,980

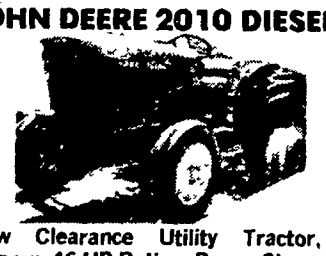
SOME REAL BARGAINS

LOOK! There are 300 Horses Coming Your Way If You Buy This Like New Case 2870 4 Wheel Drive Tractor Now!



With on the go power shift transmission, 20 8x 34 tires with factory 20 8x34 duals. 4 hydraulic remotes PLUS 4-WAY SELECTIVE STEERING
* Approx 825 Hrs Ready For Hard Work
SALE PRICE $33,800

JOHN DEERE 2010 DIESEL



Low Clearance Utility Tractor, Approx. 46 HP Rating, Power Steering, 540 PTO, 3 Pt. Hitch With Square Type Liftarms, Hydraulic Remote Outlet, 16.9x28 Rear Tires, Approx. 80%, 3787 Hrs., Engine Doesn't Burn Oil.
Reg. Price $4850
SALE PRICE $3,850

FORD 8000 DIESEL

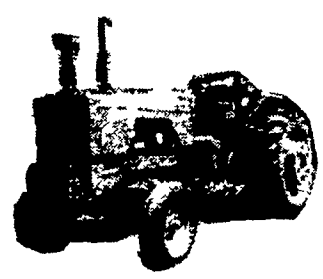
(No cab), Serial #C317978, approx. 1971 Model, Dual Power Transmission w/Filter Kit, 540 PTO, 3 pt. Hydraulic Remote Outlet, Approx. 4392 Hrs., 18.4x38 Rear Tires on Power Adjust Wheels, Engine Runs Good!
Ready For Your Field
SALE PRICE $7,900

1980 Like New Case 4490 4 Wheel Drive Diesel Tractor with only about 565 hrs., 20.8x34 radial tires, 3 pt. hitch, PTO, 4 remotes.
SALE PRICE $39,843

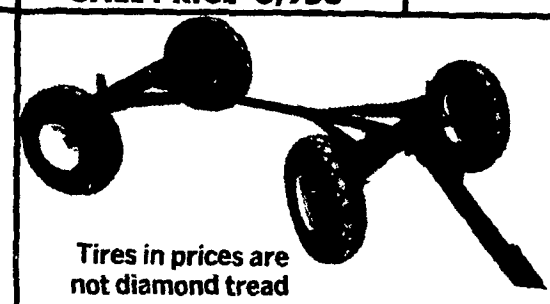
MECHANICS SPECIAL

DC CASE PRICE $350

XT190 Allis Chalmers



Hi-Lo Shift Rebuilt, 18.4x34 Tires
70% Reg. Price $5900
SALE PRICE $5,375



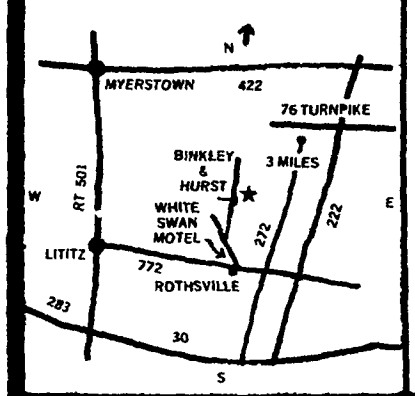
Tires in prices are not diamond tread

Hey... Looking For A HEAVY DUTY 30,000 Lb. Capacity Wagon w/Hyd. Surge Brake On 12.5x16 14 Ply Tires w/80" Tread Width And A Towing Hitch All For a Low Price Of
$2050.00

MODEL RGE-15 SPECIFICATIONS

Rated Capacity	30,000 lbs.
Tread Width	80 inches
Wheelbase (adj. every 6")	96-144 inches
Front Spindles	2½-inch bent
Rear Spindles	2½-inch straight
Hubs	8-bolt
Axles	7 inch I-beam
Hounds (channel type)	3/16-inch formed steel
Reach Pole	94x3 3/8 inches OD
Bolsters	42-Inch
Steering	Heavy duty truck type
Brakes	Std. 2W rear
Tongue	Extendable (spring counterbalanced)
Height (to bolster top-approx.)	28 inches
Ground Clearance (approx.)	15 inches
Weight (less wheels & tires)	1160 lbs.

Remember You Get All This For Only... **$2,050.00**



JOHN DEERE MODEL 60 Narrow Front Tractor

w/Power Steering, Gas.
Reg. Price $1,850
SALE PRICE $1,580

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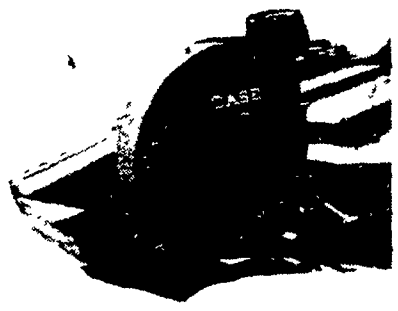
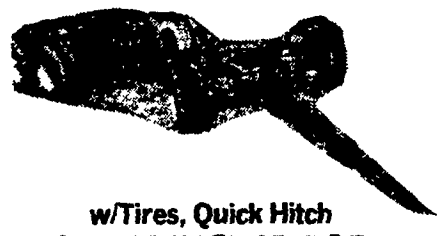
Be Sure To Check Out the case And GEHL® Equipment At Ag Progress Days... *Then See Us For Your Best Deal!*



CASE #100 BLOWER
SALE PRICE $595

KNOWLES 12 TON TANDEM GEAR



w/Tires, Quick Hitch
SALE PRICE $1,195

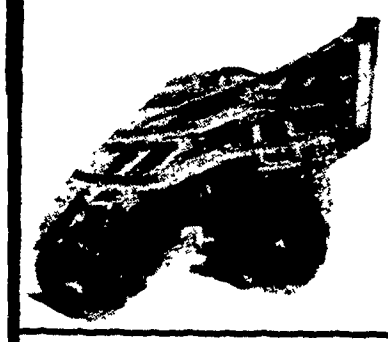
JD 220

22 Ft. Centerfold Disk, 9" Front & Rear Spacing, (6) 11Lx15 Tires
SALE PRICE $3,950

AC WING FOLD DISK HARROW

19 Ft. Cut, Nice
SALE PRICE $3,200

FORD 3 PT. DISK HARROW



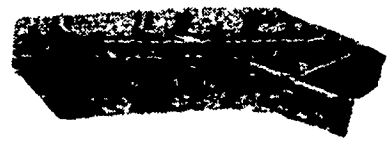
Model 201
- 8'6" Cut
- Excellent

SALE PRICE $450

OLIVER 12 FT. DISK HARROW

SALE PRICE $789

BRILLION 12 FT. FIELD CULTIVATOR



w/Buster Bar
SALE PRICE $1,275

KNIGHT 350 SPREADER

Top Beater and Lower Beater, Hyd. Endgate, New Web
SALE PRICE $3450

DEUTZ DRUM-TYPE ROTARY MOWER

9 Ft. Cut, Hydraulic Lift
SALE PRICE $1680

JD 110

13'10" Cut Disk Harrow, New Blades, Dual Wheels
SALE PRICE $2250

AC MODEL 2500

12 FT. DISK HARROW
Rock Flex Hangers, 22" Blades, LIKE NEW
SALE PRICE $3980

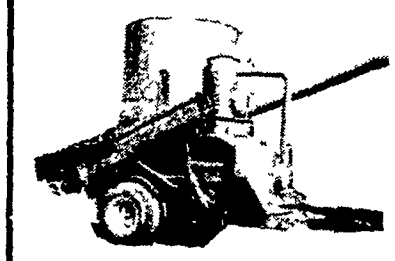
ATHENS 131

12'11" Cut Disk, Cylinders & Hoses, Good Condition
SALE PRICE $3,890

WHITE 263 TANDEM HARROW

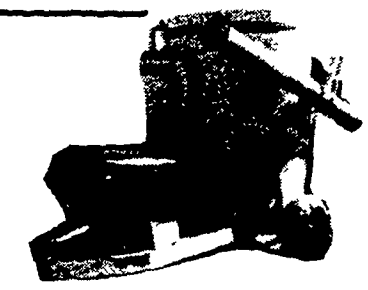
19 Ft. Manual Wing
NICE
SALE PRICE $2700

GRINDER SPECIALS

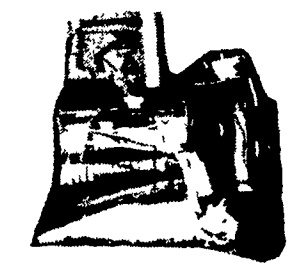


ID 400 GRINDER MIXER
Nice Metal, Very Good Shape, Ready To Grind
SALE PRICE $2175

OWATONNA 450 MIXER
Ready To Go
SALE PRICE $1950

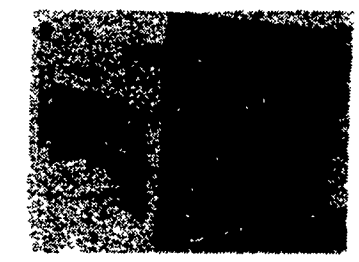


HARVESTER SPECIAL



HESSTON 7020
5 Ft. Hay Pickup, 1 Row Corn Head
Reg. Price $3260
SALE PRICE $2780

MAKE EVERY BITE COUNT
with a
KNIGHT MINI-AUGGIE STATIONARY MIXER



Electronic scales, 82 bushel capacity, 3 H.P. electric motor with drive is standard equipment. In Stock.

McCURDY 190 GRAVITY BIN

ONLY $516

HAUL AWAY ON YOUR PICKUP TRUCK AND BUY FOR ONLY $497

MISCELLANEOUS USED EQUIPMENT

Frick 10' Disk Sale Price	$675
Case 1800 10 Tooth Chisel with Guage Wheels	$1285
EZ Forage Box 6x14 No Roof	$785
Gehl 1090 Mower Conditioner	$1880
Gehl 1090 Mower Conditioner	$3875
Sprayrite GPE 200 Gal. Sprayer Cent. Pump	$485
Zimmerman Tandem Axle Trailer, Like New	$1850
36' Case Elevator	$750
McCurdy Corn Drag	$325
3 Bottom Trailer Plow	$175
2 Bottom Trailer Plow	$150
4 Row Rotary Hoe	$185
IH 4 Section Spring Harrow	$585
9'6" Dunham Cultipacker, Excellent 17" Wheels	$575
MF 4-16" Plow Spring Trip	$480
Caldwell 3 pt. Scraper Blade	$490
Glencoe Soil Finisher 12'9"	$5200
Papec Forge Wagon	$800
Cobey 6x16 3 Beater & Roof Forage Wagon	$1975
3 Row Gehl Head New Style	$2987
CB 1200 Harvester	$7800

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MF Massey Ferguson

Leola, PA 17540 (717) 656-2321

Located: 4 miles West of New Holland on Route 23, 1½ miles Northeast of Leola on the North Groffdale Road, 1 mile on the right, opposite Groffdale Mennonite Church.

USED COMBINES

1980 MF 760 V8, 15 ft Grain & 1163 Corn Head... $62,000
1976 MF 750 4 wheel drive, 6 row, 4 row corn head and 15 ft. floating grain table $39,000
1977 MF 750 Hydro with grain saver $29,000
1977 MF 510 Hydro cab w/air condition $19,000
1976 MF 750 gear .. $26,000
1976 MF 750 hydro .. $19,500
1976 MF 750 hydro with straw chopper $29,000
1975 MF 510 gear air conditioned cab..... $19,000
1975 MF 750 hydro... $22,000
1975 MF 750 gear with grain saver $26,000
1975 MF 760 hydro .. $26,000
1975 MF 760 hydro V8 . $29,000
1975 MF 300 gas cab like new condition $15,000
1974 MF 760 hydro ... $25,000
1973 MF 760 hydro .. $24,500
1972 MF 510 gear with cab..... $12,500
1972 MF 510 gear with cab..... $10,500
1972 MF 300 gas with cab ..$10,500
1971 MF 410 gas with cab. $8,500
1971 MF 410 diesel with cab $8,500

USED TRACTORS

MF 2705.. $24,500
MF 1800 180 h.p. 4 whl drive . $15,500
IH 1456 .. $9,500
MF 235. $8,400
MF 165 on steel $3,500
Ford 6000 .. $2,000
MF 1155. $10,500
MF 4840. $58,000

1972 MF 510 diesel with cab $8,500
1971 MF 510 diesel with cab..... $12,500
1972 MF 510 diesel with cab.. ...$12,000
1972 MF 510 diesel with cab..... $12,500
1969 MF 510 diesel with cab. ..$12,500
1968 MF 510 diesel with cab .. $10,000
1958 MF 510 diesel with cab. $15,000
1968 MF 510 diesel with cab. $13,500
1967 MF 410 diesel with cab ...$6,500
MF 300 gas.. ...$3,500
IH 203 w/corn & grain head $3,000
Gleaner "A" gas $2,000
JD 45 .. $2,100

Above Combines Include Grain Tables Less Corn Heads
Three 10 ft, four 13 ft., six 14 ft, eight 15 ft, five 16 ft. Grain Heads
Nine 2 row 38", fifteen 4 row 38", six 4 row 30", eleven 6 row 30", two 8 row 30" Corn Heads

USED EQUIPMENT

MF 730 Disc..... $4,750
Badger Forage Wagon. ..$1,100
Ez-Trail Fg Wagon .. $3,700
Danuser Log Splitter .. $675
Danuser Post Driver . $1,300
MF 200 Harvester ... $2,900
NI Corn Picker Sheller, 2R 30" pull type . $6,250
JD 3x16 2 way plow. ...$1,250
NH 271 Baler w/thrower .$1,800

H. SCHWARTZ & SONS, INC.

NOW SERVING THE STATE OF DELAWARE DIRECTLY FROM WILMINGTON!

PIPE

NEW, USED and RECONDITIONED PIPE
STANDARD - EXTRA & DOUBLE EXTRA HEAVY - ALL SCHEDULES - ALL TYPES FABRICATION - THREADING CUTTING — WELDING
121 SO. MARKET ST. - WILMINGTON 19801
302-656-0276 or 215-DE1-4240

USED EQUIPMENT

TRACTORS

Farmall 1066 Dsl. w/Duals
Farmall 1066 w/Duals

COMBINES

White 8600 Dsl. w/15 ft. Head
White 8700 Dsl. w/15 ft. Head
White 7300 Dsl. w/13 ft. Head
I.H. 1440 Dsl. Axial Flow w/15 ft. Head
A.C. Gleaner K Gas w/12 ft. Head
M.F. 510 Dsl. w/15 ft. Head
I.H. 715 Dsl. w/13 ft. Head

CORN HEADS

2 - I.H. 844 4 Row
1 - White 706 N 6 Row
1 - M.F. 44 4 Row
1 - A.C. Gleaner 238 2 Row

MISC. ITEMS

I.H. 56 Planter 4 Row
I.H. 420 Baler P.T.O.
I.H. 550 5B-16" Plow

All items are Priced for Quick Sale.
Low Rate Financing available for Qualified Buyers.

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Shiloh-Cohansey Road
Shiloh, New Jersey
08353
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SPECIAL OF THE MONTH
JD 2640 Tractor w/Hi-Lo Dual Remote 18.4 x 30 Tires
Call For Special Price

NEW TRACTORS

JD 650 MFWD
JD 750 MFWD
JD 2350
JD 2550
JD 2950 SGB, MFWD
JD 4250 SGB, PS

NEW MACHINERY

JD 1250 Plow 3-16"
JD 1250 Plow 4-18"
JD 2600 Plow 5-18"
JD 950 12 ft. Roller Harrow
JD 7000 Cons. Planters 4 & 6 rows
JD 1209 Mower Conditioner
JD 1326 Mower Conditioner
JD 327 Baler w/30 Ejector
JD 714A Forage Wagon
JD 66 Blower
JD 445 Spreader
JD 450 Hydro-push Spreader
JD 670 Rake

USED MACHINERY

JD 850 Tractor w/Turf Tires
JD 400 Garden Tractor w/60" mower & front blade
Farmall 350 w/cultivators
JD 2020 Diesel
JD 3 btm. 3 pt. hitch plow
IH Model B414 Diesel Tractor w/Kelly Loader
Case 1537 Skidsteer Loader
IH 13x7 disc grain drill w/grass seed attachment
MF 260 Harvester w/2RN p-up
MF 135 tractor
Hesston 1090 9' Haybine
IH 2 R Planter
12" Post Hole Digger
Shaver Post Driver, 3 pt. hitch
NH Super 23 Forage Blower
JD 7000 Max Emerge Planter, 4 Row
JD 70 Skid Steer Loader
Woods Rotary Mower, like new

Miller-Lake, Inc.
R.D. #2 Box 273A
Belleville, PA 17004
Ph. (717) 935-2335

JOHN DEERE

case GEHL HESSTON SAME

★ USED EQUIPMENT SPECIALS ★

USED TRACTORS

Case 870 w/Cab & Air Cond.
Case 885 w/loader
Case 1070
Case 1030
JD 3010
MF 1085
Farmall M
Allis Chalmers WD45
John Deere 70

USED SKID STEER

Gehl 2600
Gehl 3000
Gehl 4500 (1979)
Case 1740
Case SOLD
Case 1845 Gas or Diesel
Case 1845 (1979) Exc. Cond.
Owatanna 1700

USED WINDROWERS

Hesston 420
(3) Case 555's
Gehl 1090
IH 225 Self Propelled

USED BLOWERS

IH 56
(2) Gehl 99
Fox Blower
Oliver (Kools)

WAGONS

(2) Grove Wagons w/Hyd. Drive, 16'
Grove Wagon, 2 Beater, 14'

USED HARVESTERS

NH 33 Flail Chopper
Gehl 3 Row Narrow Cornhead
(2) Gehl CB600's
Gehl CT300
Hesston 2000
Fox Super 1000
JD 3800

USED PLOWS

IH 3-Bot. 14" Trailer
JD 4-Bot. 16" Mounted
JD 3-Bot. 14" Mounted
Ford 5-Bot. Semi Mtd. Plow
Case 308 3-Bot. Semi-Mtd. Plow (New) SOLD

USED BALERS

Hesston 5600 Round Baler
Case 230 Conventional Baler w/kicker

UTILITY CRAWLERS

Case 750 Loader

MISCELLANEOUS

Gehl 95 Grinder Mixer
Case 580 Backhoe
Sauder Loader For 8N
Cagle 500 Sprayer with Foam Marker
187 Hawk Bilt Spreader
NI 90 Bu. Manure Spreader
5' Sidewinder Mower (New)

STOUFFER BROS. INC.

1066 Lincoln Way West, Chambersburg, Pa.
Phone 717-263-8424

SB SB SB SB SB

USED EQUIPMENT

Tractors

IH F1066 w/cab
IH F560G
IH F1256
IH Farmall M
IH 1300 Utility Gas
IH F400 Gas
IH F460
IH 444 w/Loader
Farmall H
Farmall Super M
Ford 860
Nuffield 4/25 w/loader
JD 1010 w/cult.
Oliver 66
Case Vac w/cult.
Case 450 Crawler
MF 255

Forage Equipment

IH 550 For. Harv.
IH 650 Forage Harvester
IH 56 Blower
JD 6 Harvester
JD 34 Harvester w/2 Heads
IH Hay Pickup 550/650
IH Direct Cut 350
Fox 546 Harvester
NH 717
IH 42 Blower
NH 23 Blower
Badger 1616 Forage Box
NI Bale Wagon
Papec Box

Plows

IH 531 3F 14"
IH 211 2F 16"
IH 311 3F 16"
IH 312 Plow
IH 411 4F
IH 450 3F Auto.
IH 550 16"
IH 560 Plow
JD 3 pt. 3F Plow

Tillage

IH 37 Disc Harrow
IH 475 Disc, 17½ ft.
IH 122 Mtd. Disc Harrow
Lely Power Harrow
IH No. 45 Mtd. Vibra Shank
IH No. 45 Vibra Shank, Trailing 14½ ft.

Planters & Drills

IH 249, 2 Row
IH 56 Planter, 4 Row
IH 449 Planter
IH 500 Planter, 6 Row
Pittsburgh 4-Row 3-pt. Cultivator
IH 400 Cyclo 4 Row
JD 494 Planter
JD 15x7 Drill
Ontario 13x7 Drill
Tye No Till Drill

USED EQUIPMENT

Lawn & Garden

Brinly Plows
IH 122 Cadet w/Mower
IH Cadet 60 Riding Mower
IH 125 Cadet w/Mower
Bolens 5 HP Rider
Snow Blowers
AC Model B10 w/Attachments
Simplicty 4211 w/Mower
Wheel Horse 12 HP w/Mower
MF 12 HP & Mower
MF 7 HP
JD 110 w/Mower and Snow Thrower
Snapper Comet riding mower
Hahn 5 HP Tiller

Hay Machines

IH Cub 222 Mower
IH 990 Mower Cond., 9'
(2) JD 14T Balers
AC 303 Baler
NI 9' Cut Conditioner
Dearborn Rake

Skid Loaders

Bobcat 500
Bobcat 700
IH 3200
Gehl 2600
Case 1740D

Miscellaneous

Sauder 7 ft. Snow Blade
IH 1850 Loader
IH 2000 Loader
IH 2001 Loader
IH 175 Spreader
IH 540 Spreader
NI 214 Spreader
Waldron Dozer Blade w/IH or JD Mountings
NH 346 Tank Spreader
Winco 1500 Generator
Danuser 8 Ft. Blade 3 pt.
Buck Saw
Hawk Bilt 187
Flail Mower, 5 Ft., 3 pt.
Century 500 Gal. Sprayer w/new pump

Combines & Cornheads

NI 725 Cornhead
IH 76 Combine
IH 91 Combine
IH 127 Combine
IH 227 Corn Head
IH 429 Corn Head
MF 35 Combine
Oliver No. 40

Pickers

Oliver 5 Picker
IH 234 Mtd.

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OR WAIVER OF FINANCE CHARGES TO MARCH 1, 1984,
ON NEW MF TRACTORS, COMBINES, CORN HEADS,
GRAIN TABLES, HAY AND TILLAGE.

9.9% FINANCING FOR 36 MONTHS OR
WAIVER OF FINANCE UNTIL MARCH 1, 1984
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DON'T DELAY! OFFER EXPIRES AUGUST 26

NEW EQUIPMENT IN STOCK

- MF 540 diesel combine
- MF 860 diesel combine hydro
- MF 1144 corn head
- MF 1163 corn head
- MF 15' table w/floating cutterbar
- MF 13' U-II reel
- MF 15' U-II reel
- MF 22 bale thrower
- Strawchoppers for MF 760 & 540 combine

USED EQUIPMENT

- MF 2675 tractor less than 500 hours
- MF 285 diesel tractor
- IH 460 tractor w/loader
- Farmall M tractor
- MF 760 combine w/6 row corn head & 16' grain table
- MF 510 combine
- MF 300 combine w/2 row corn head & 13' table & reel
- MF 13' grain head w/floating cutter bar
- Strawchopper for MF 540

Renting skid steer loaders.
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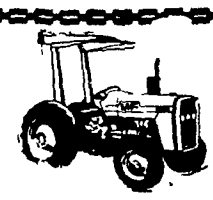

MF Massey Ferguson

TRACTORS & EQUIPMENT

- MF 1155 Tractor
- Ford 4000 Tractor
- Ford 4000 Turf Tractor
- MF 150 Tractor
- AC D17 Dsl. Tractor
- MF 40 Dsl. Tractor and Loader
- IH Tractor & Loader w/Forklift Attch.
- NH 718 Harvester
- Fox 2000 Fg. Harvester w/2R C.H and Pick-up
- MF 760 Combine w/Attchs.
- NH 36 Crop Chopper
- IH #46 Baler
- IH 440 Baler
- NH 315 Baler
- NH 270 Baler w/thrower
- NH 269 Baler w/thrower
- NH 1010 Bale Wagon
- NH 510 Manure Spreader
- NI 213 Manure Spreader
- Hesston PT10 Mower Cond.
- JD Grain Drill

NEW M.F. EQUIPMENT

- MF 275 Tractor
- MF 285 Tractor
- MF 245 Tractor
- MF 240 Tractor
- MF 265 Tractor
- MF 210 Tractor
- MF 1010 Tractor
- MF 40B Tractor w/Loader
- MF 40B w/Cab
- MF 20 Turf Tractor
- MF 34A Loader
- (2) MF 216 Loader
- MF 236 Loader
- MF #43 2B Plow
- MF 820 Disc Harrow
- MF 520 disc harrow
- (2) MF 320 Disc Harrows
- MF 226 Scraper Blade
- MF 227 Scraper Blade
- MF 18 Scarifier Scraper Blade
- MF 124 Baler w/Thrower
- MF 218 3 pt. Rotary Cutter
- MF 222 Scraper Blades

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- AC 5040 Tractor
- AC 185 Tractor
- AC 160 Dsl. Tractor w/ Loader
- AC C Tractor & Cultivator
- AC WD Tractor
- NH 479 Haybine
- OMC #83 Grinder Mixer
- 8C Hydra-Mac Skid Loader

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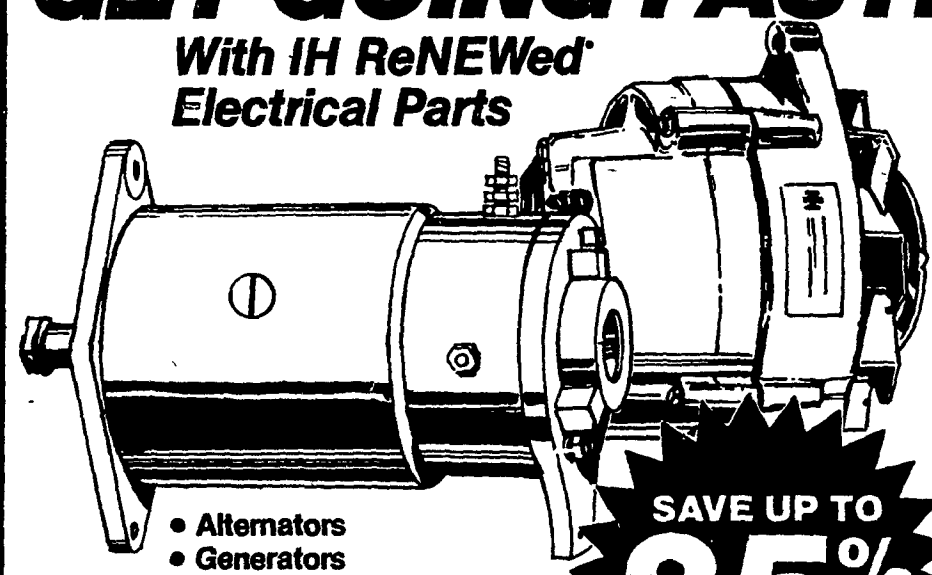

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with IH ReNEWed® Clutches

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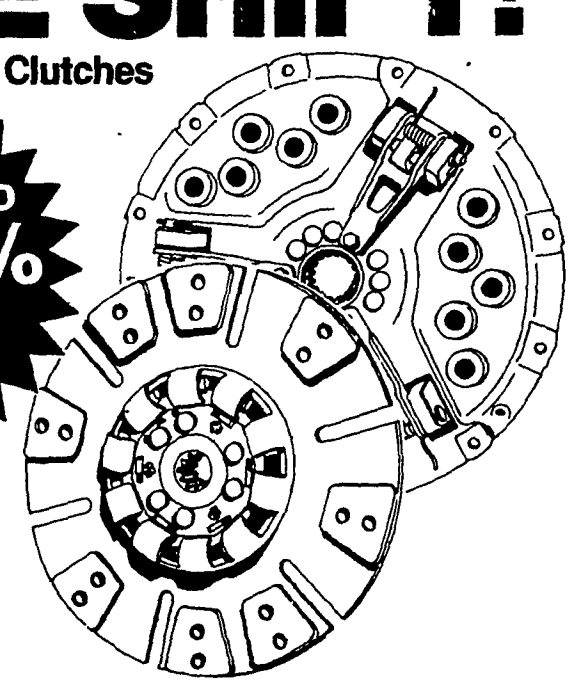

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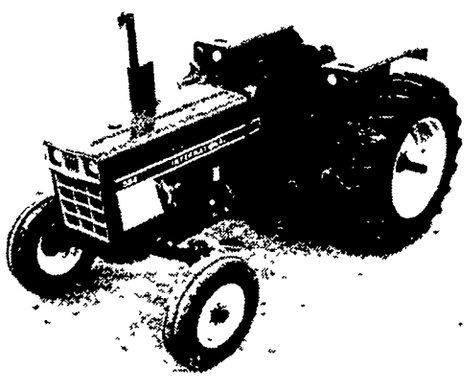
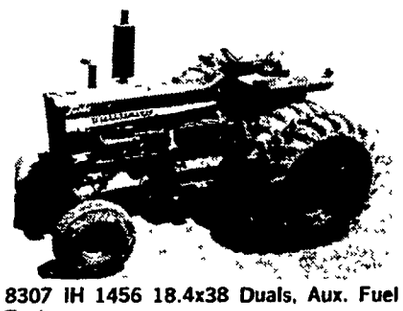


8165 IH 584 R.C., 16.9x30 85%, 480 Hrs., Like New!

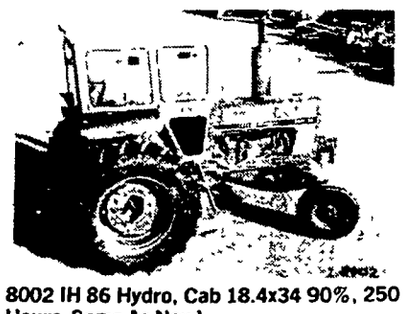
8070 IH 966 18.4x38, 4440 Hrs., New Paint

7678 IH 1066, 20.8x38 3280 Hours, Air

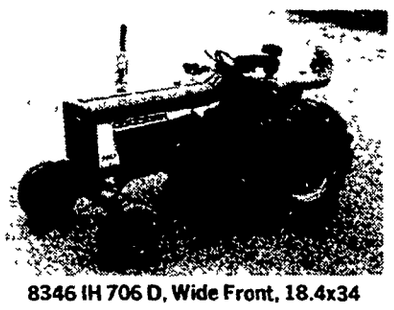
8379 IH 416
Hitch



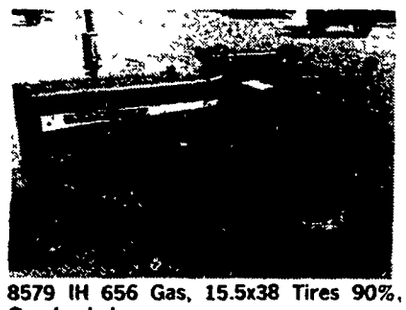
8307 IH 1456 18.4x38 Duals, Aux. Fuel Tank



8002 IH 86 Hydro, Cab 18.4x34 90%, 250 Hours, Same As New!

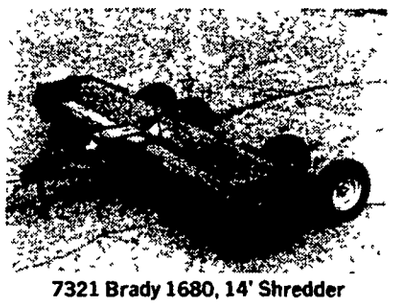


8346 IH 706 D, Wide Front, 18.4x34



8579 IH 656 Gas, 15.5x38 Tires 90%, Overhauled

8034 JD 110 Disk, 11' Cut, 9" Spacing



7321 Brady 1680, 14' Shredder

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WHAT'S NEW FOR 198

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... Model 4926 ROCKFLEX DISC
- 22'6" width of cut
- Flex-wing medium duty
- NEW FOR 1984

... Model 3113 LANDSMAN
- 13'6" Width of cut
- Minimum Til Soil Finisher
- NEW FOR 1984

... Model 2413 ROCKFLEX DISC
- 23' width of cut
- Heavy Duty flex wing
- Primary or Minimum Til Disc

... Model 2244 ROCKFLEX DISC
- 13'8" width of cut
- Medium Duty Disc

STEIGER

... ST225 BEARCAT III
- 225 PTO HP
- Experimental Front-Mounted Forage Harvester
- See Ad on Page B19

... CP1325 PANTHER
- 325 HP CAT ENGINE
- Automatic Transmission
- Full-power PTO

VERSATIL

... 160 Loader Tractor
- See Ad on Page A15

... 835 4WD TRACTOR
- PTO Full-Power
- 250 Cummins Engine

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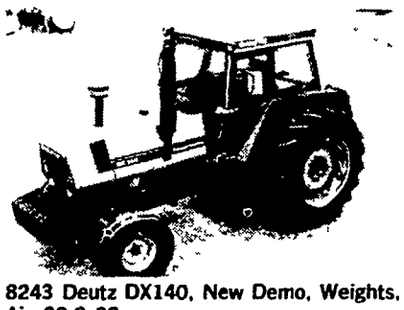
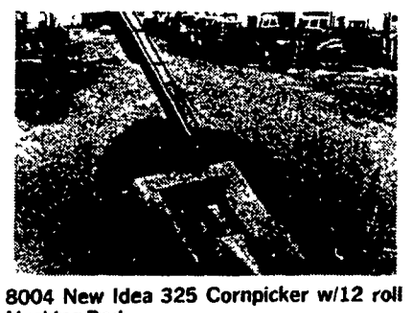


8243 Deutz DX140, New Demo, Weights, Air, 20.8x38

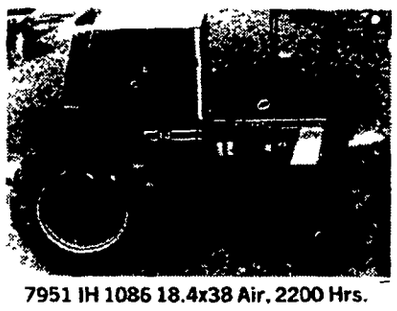


8004 New Idea 325 Cornpicker w/12 roll Husking Bed

7878 Hesston SM30 Stakmover

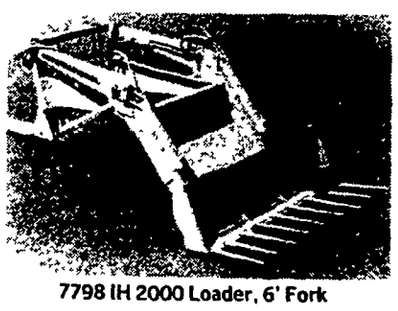
8310 Glencoe 9 Shank Soilsaver Chisel Plow

5691 Farm-Ai
New Demo, Sc

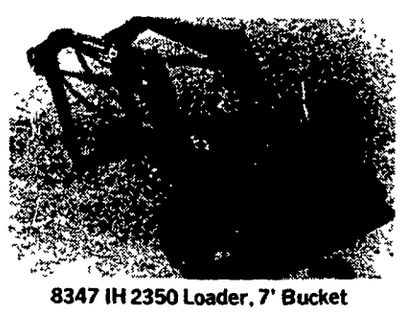


7951 IH 1086 18.4x38 Air, 2200 Hrs.

6688 IH 350 Forage Harvester, One Row, Excellent



7798 IH 2000 Loader, 6' Fork



8347 IH 2350 Loader, 7' Bucket

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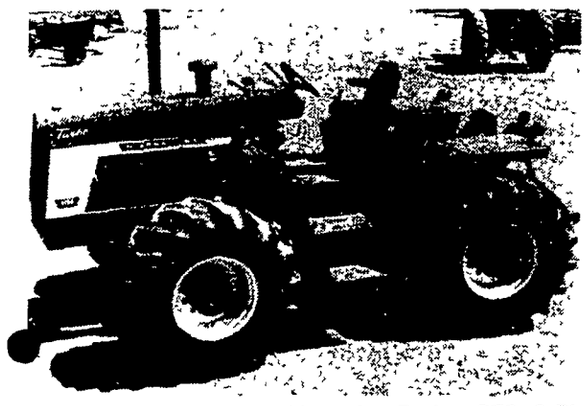
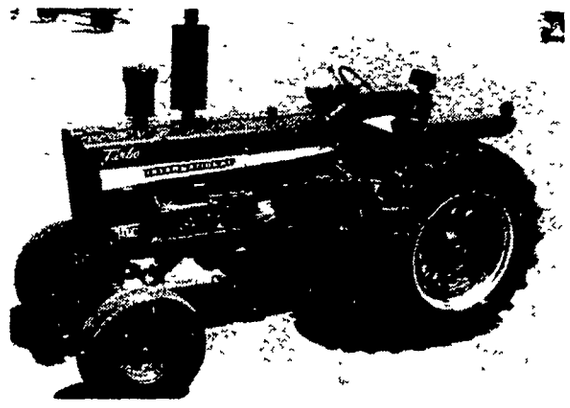
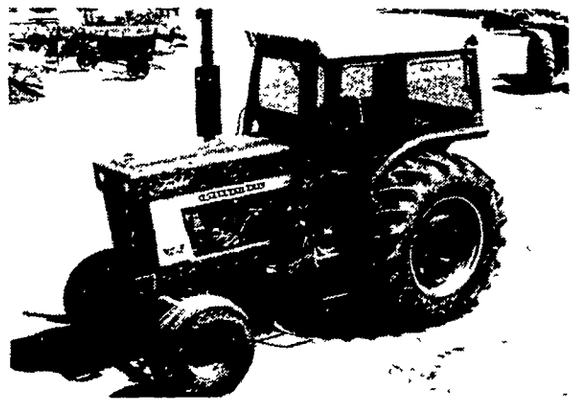


8379 IH 4166, Excellent Rubber, New Engine, PTO, 3 Pt. Hitch



8053 IH 1456 18.4x38



8035 IH 1466, 20.8x38, Heavy Rear Weights, Ajr

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T225 BEARCAT III
225 PTO HP
Experimental Front-Mounted 4 Row
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Automatic Transmission
Full-power PTO

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FMC Bean

... D010E200 F SPRAYER
- Fiberglass Tank
- 10 GPM High Pressure Pump

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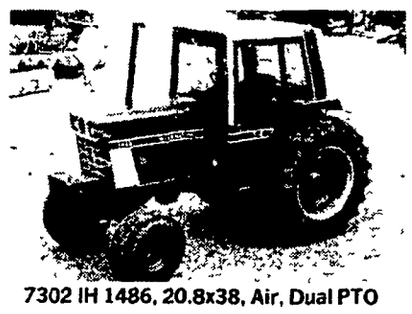
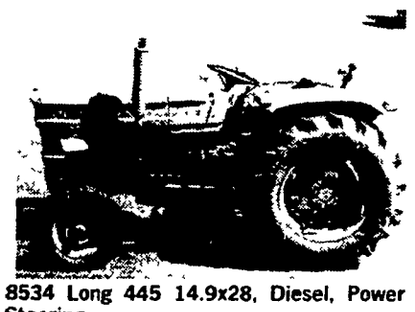
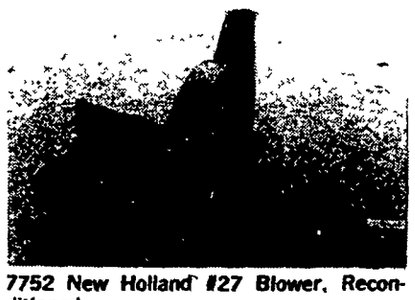


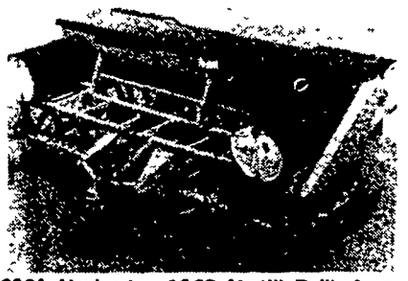
7302 IH 1486, 20.8x38, Air, Dual PTO



8534 Long 445 14.9x28, Diesel, Power Steering

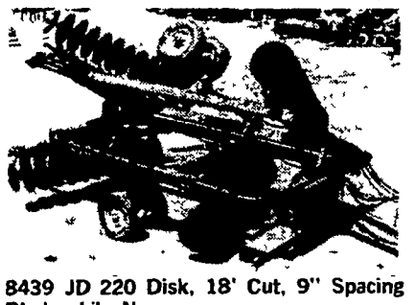


7752 New Holland #27 Blower, Reconditioned



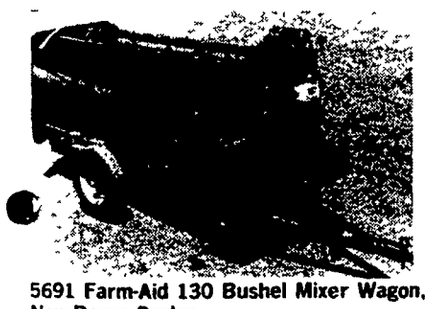
6901 Haybuster 1068 No-till Drill, 3 pt. Semi Mount, Rental Unit

8535 IH 710 Plow, Auto Reset, 5-18", Hillside Hitch

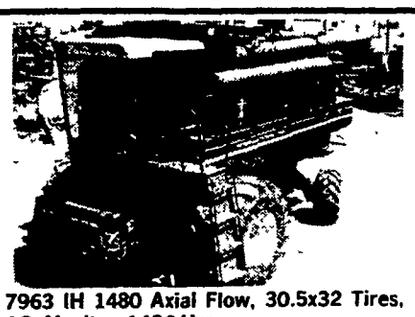


8439 JD 220 Disk, 18' Cut, 9" Spacing Blades, Like New

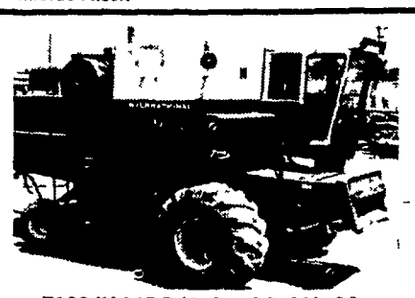
Chisel



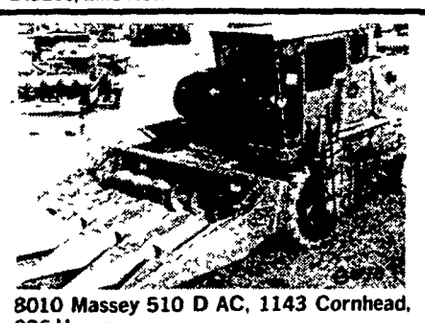
5691 Farm-Aid 130 Bushel Mixer Wagon, New Demo, Scales



7963 IH 1480 Axial Flow, 30.5x32 Tires, AC, Monitor, 1486 Hrs.



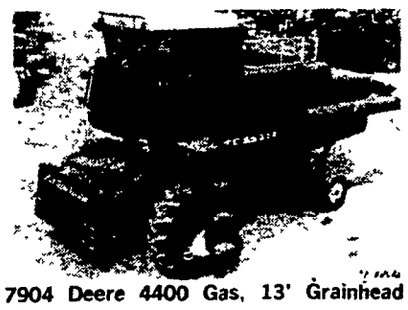
7138 IH 915 D Hydro, AC, 28Lx26



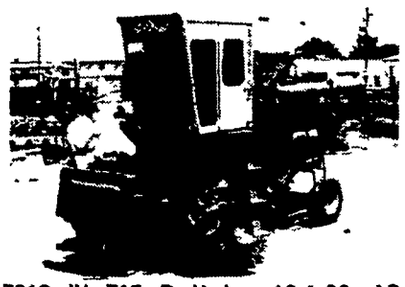
8010 Massey 510 D AC, 1143 Cornhead, 836 Hours

t

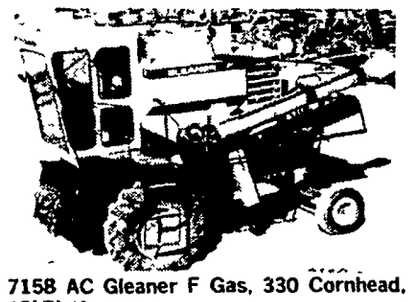
WAIVER OF FINANCE ON COMBINES till 5/1/84 PLUS 11.9% Interest



7904 Deere 4400 Gas, 13' Grainhead



7818 IH 715 D Hydro, 18.4x26, AC Monitor



7158 AC Gleaner F Gas, 330 Cornhead, 13' Platform

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IH 4 bar stalk chopper 75
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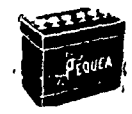
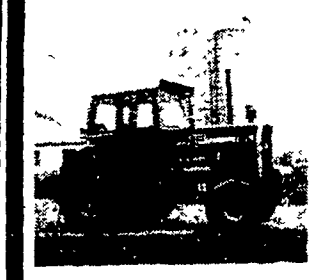
- STARTERS
- ALTERNATORS



PARMAK® FENCERS.

EXPERT REPAIRS



(3) 1155 MF TRACTORS
(2) w/cabs
(1) without cab
2500 hrs. and 1300 hrs.
(1) 1130 MF TRACTOR (SOLD)
Also full set of weights and duals
717-733-8193

EQUIPMENT WITH EXTRA 5% DISCOUNT

Now Thru October 31st

WHITE TAG SPECIALS

Come in now and get our best price on selected new International tractors and equipment!

Prices on new International tractors, combines, planters, tillage, hay and forage equipment never have been lower. We're "tagging" our outstanding values with special White Tags to call attention to our best buys.

Come see how you can save more on new equipment and improve your bottom line. Offer expires October 31, 1983.

SAVE EVEN MORE! Buy now and get special financing on all White Tag Specials

Come in early. Prices are subject to equipment availability!

INTERNATIONAL HARVESTER

This offer subject to change or cancellation by International Harvester Company at any time without notice or obligation.

- 5288 Tractor
- 5500 11 Ft. Mounted Chisel
- 5500 13 Ft. Mounted Chisel
- 4500 Field Cultivator
- No 10 Sub Soiler, 15'4"
- 415 Packer Mulcher, 10'
- 730 5-Btm. Vari-Width
- 735 6-Btm. Vari-Width
- 1350 Grinder Mixer
- 781 For. Harv. & 2 Row Head
- 820 15 Ft. Header
- (2) 595 Spreaders
- (2) 560 Spreaders
- 4130 Skid Loader, Rental
- 183 4-Row Cultivator
- 183 6-Row Cultivator
- 1190 Mower Conditioner - 15% Disc.

ASK ABOUT IH RED EDGE "PERFORMANCE SAVINGS"
NEW 30 and 50 SERIES TRACTORS
Best Cash Prices Ever On All Equipment Now

★ IH 3288
★ IH 3688 - Demonstrator - Extra Special Price! (Rental)
★ IH 6388 - 4 Wheel Drive - 130 HP - 540/1000 PTO
Extra Special Price — Buy A Real 4WD
At The Same Price As An Add-On 4WD!

USED EQUIPMENT

Most Used Equipment Avail.
At 11.9% A.P.R. Plus
Waiver of Finance

TRACTORS:
(2) IH Farmall "C"
Int. F12 w/cult.
Int. 400 Farmall, Real Nice!
IH 806 Diesel
IH 1566 D., Cab & Air, 30.5x32 tires, new TA, Real Nice - ~~$16,500~~ Now $14,500
IH 560 Gas, 400 Gas
MF TO-30 w/Turf Tires
MF TO-30 w/Ag Tires
MF 33 w/3 pt. Hitch

PLANTERS:
IH 510 21x7 Grain Drill
IH 455 4-Row
IH 658 6-Row Narrow Dry Fert.
4 & 6 Row Cyclos, Field Ready!
(2) JD FBB 17x7 DD
IH No. 10 13x7 Plain Drill
Oliver 24x6 Combination Drill
MF 13x7 Comb. Drill

LAWN & GARDEN
16 HP Simplicity w/Mower
JD 70 Rider w/Mower
AC B112 w/Tiller & Mower
Ariens 10 HP w/Mower
IH 127 Hydro w/Mower
Int. 1650 w/50" Mower, like New!

MISCELLANEOUS:
Used CP Model 250 Rotary Vane Air Compressor w/IH 282 Diesel Engine Mounted on CO 1600 Int. Truck - ~~$3800~~ — ~~$3,650~~ Now $3,000

HAY & FORAGE EQUIPMENT:
MC 60 2-Row Shredder, Like New
IH 105 Forage Wagon, Rebuilt
IH No. 51 Forage Wagon
IH #5 Flail Chopper
IH #8 Flail Chopper, Like New
33 NH Flail Chopper
JD 115 Forage Wagon
Gehl FBB 88 Blower
Gehl 99 Hi-Throw Blower, nice!
Badger TA-54 Blower, Like New
550 IH Chopper
AC 6' Trailing Mower
IH 990 9' Mower Cond.
1014 Hesston Mower Cond.
NH 770 Chopper, 2 Row Wide & Pickup
IH 27 Baler w/Thrower
IH 47 Baler w/Thrower
IH 440 Wire Baler w/Thrower
New - 451 NH 9' 3 pt. Hitch Sickle Bar
Kuhn GF 452 4-Star tedder, Nice Shape
5026 Elec. Wheel, 8 ton Gears

MATERIALS HANDLING:
IH 1150 Grinder Mixer
Farmhand Loader for IH 74 Series Tractor
157 Hawk Bilt Spreader - $995
NH 512 Spreader w/End Gate
NI 12A Ground Drive Spreader
NI 212 Spreader, PTO, flail type
200 Gal. Century Sprayer, Piston Pump

COMBINES:
715 Diesel Hydro w/13' Floating Cutter Bar
844 Cornhead, Like New
810 13' Cutter Bar
MF 410 Gas, w/34 Cornhead & 13' Platform
FKS Gleaner Diesel 4 Row Wide, 12' Platform
MH 35 SP 8' Platform, Fair Shape

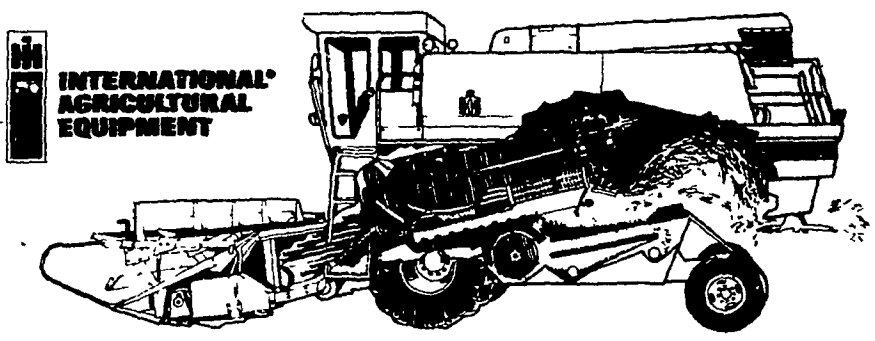
IH 315 Hydro (For Parts)
IH 403 w. 4-Row Wide Head & 12 ft. Grain Platform
IH 315, 2-Row Wide Head
IH 203 w/2 Row Head
IH 227 Cornhead, fits 315, 205 or 203
Set of Tires & Rims for 1420 Combine - 23x134 Rice tires

TILLAGE:
Pittsburg 9'1" and 11'6" Disks
JD 4 Bot. Mtd. Plow
JD 3 pt. 3 Bottom 14" Plow
JD TO 310, 32 Disk, Real Nice
JD 110 12' Disk, Good Shape
IH 370, 350, 37, 35 In Various Sizes
Cub 2-Way Plow
Oliver 4-Bot. Semi-Mtd. Plow
IH 11' Trailing Chisel
IH 700, 5 Bot., 18" Plow
IH 700 6 Bot. 16" Plow
IH 550 5-Bot. 16" Semi-Mtd. Plow
IH 540 4-Bot. 14" Semi-Mtd. Plow
IH 531 3 pt. 3 Bot. Plow
IH 311 Fast Hitch Plow, 3 Bot.
AC 1-Bot. Trailing Plow
MF 3 pt. Mtd., 3 Bot. Auto Reset Plow, like new
Glencoe 18' Field Cultivator
Vicon 10' Power Harrow — ~~$2,500~~ — ~~$2,300~~ — $2,200

COMBINE HEADQUARTERS

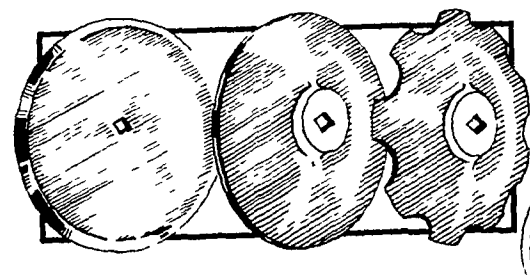
★ Check With Us Before You Buy! ★

INTERNATIONAL® AGRICULTURAL EQUIPMENT



★ IH 1460 Axial Flow Combine In Stock, DEMO - Special Allowance Available
★ IH 1420 Combine - In Stock - Old Price!
★ 963, 944, 943 Heads In Stock! - Old Price Plus White Tag Special
★ 820 15' Floating Cutter Bars, DEMO - Special Allowance Available - White Tag Special
★ 810 15' Cutter Bar (Old Price!) - White Tag Special

We Specialize In IH Combine Parts and Service



New!

IH DISK HEADQUARTERS!

EARTH METAL

EARTH METAL DISKS:
60% Stronger!
20% Longer Life!

IH 496 FLEX WING DISK HARROWS WITH EARTH METAL DISKS!

New For 1983...
18'7" - 7½" Spacing, Cushion Gang - Model 496

New For 1983...
22'2" - 7½" Spacing, Cushion Gang - Model 496

Others In Stock...
19'1" - 9" Spacing, Regular Gang
19'1" - 9" Spacing, Cushion Gang
22' - 9" Spacing, Regular Gang

EARTH METAL

CALL US FOR IH DISK HARROW PARTS IN STOCK!

We Ship Parts UPS, Parcel Post — Same Day! Call For Stock Items

ERB & HENRY EQUIP., INC.

New Berlinville, PA. 19545
Ph: (215) 367-2169
Daily 7-5; Sat. 7-3

★ Farm Bilt Hay Wagons
★ Sprayer Parts headquarters
★ Woods
★ John Blue Sprayers
★ FMC Bean
★ Grasshopper Mowers
★ Jamesway
★ DeLaval
★ Roskamp Roller Mills
★ Deutsch-Fahr Tedders In Stock
★ Northwestern Skid Loader - Model S71 Gas - Demo, In Stock At Special Price!

We're An "XL" Dealer!

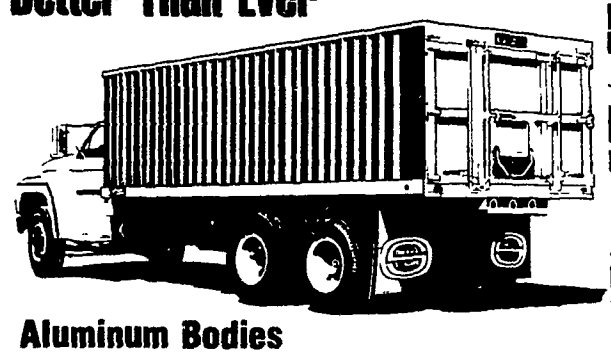
HARD WORKIN', TOUGH HAULIN' - that's OMAHA STANDARD

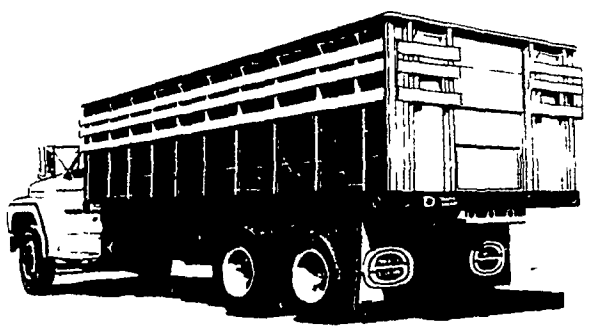
YOU DESERVE A TRUCK BODY/CONVERSION HOIST COMBINATION THAT'LL GET THE JOBS DONE

Grain & Livestock Bodies

Bigger Than Ever, Better Than Ever

We've built rugged truck bodies for over 50 years and today we're continuing that tradition. That's the reason you can't make a better investment than an Omaha Standard steel, hardwood, stakeless steel or all-aluminum farm body.





Steel and Hardwood Farm Bodies

■ One-piece roll formed steel sides with built-in tarp rail. Available in 28", 40" and 52" extra-capacity heights...all with maximum corrugation for maximum strength.

■ 40", 48" and 54" hardwood sides also available...the truck body Omaha Standard built its reputation on.

■ The toughest platforms in the business — laminated wood, smooth steel or treadplate.

■ Easy-conversion hardwood livestock racks...greater flex and life than steel fold-down racks.

■ A full line of rugged gates...all engineered to make your job easier.

Omaha Standard Hoists

Select a job-matched, precision-engineered Omaha Standard hoist for your Omaha Standard body. Available in twelve models — scissors or the stabilized "Olympic" telescopic line. Capacities from 4 to 52 tons.

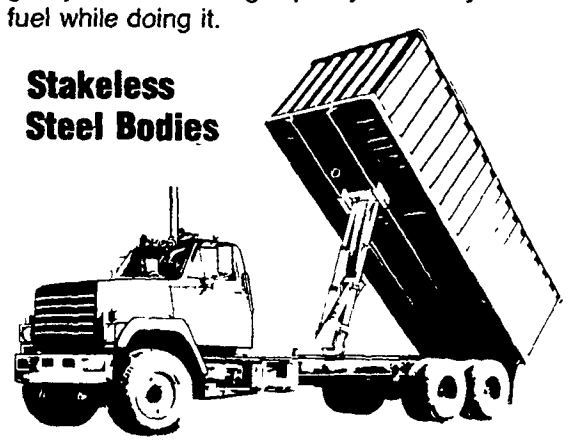
Aluminum Bodies

■ All-aluminum construction...splice-free 60" or 72" high vertically corrugated stakeless sidewalls ...extruded outrail and tarp rail cap... "I" beam cross sills.

■ Three-section full opening rear doors and swing-out header.

■ Greater inside dimensions and light weight give you more hauling capacity and lets you save fuel while doing it.

Stakeless Steel Bodies

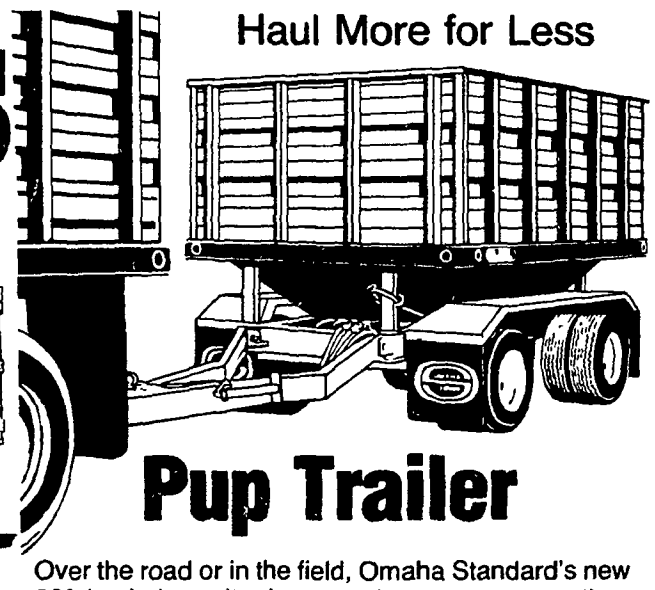


■ 52" or 60" heavy gauge sides give you more hauling capacity for grain, sugar beets and other commodities.

■ Greater inside width and length make this an ideal body for hauling bagged or palletized products.

■ Wide selection of rear gates — two or three section full opening doors, beet and silage gates.

Haul More for Less



Pup Trailer

Over the road or in the field, Omaha Standard's new 300 bushel gravity dump truck pup saves you time and money. It's designed to handle your toughest hauling needs, increase your payload and save you fuel at the same time.

CHECK THESE ***STANDARD*** FEATURES:

- **10,000# axles with hydraulic self adjusting disc brakes.**
- **Truck brake conversion package.**
- **10 ply bias tires.**
- **Easy trailing with hinged tongue that's adjustable in length.**
- **Trailer type rack & pinion trap.**
- **Spring loaded truck pintle hook.**
- **Also available in larger capacity models.**

THIS IS THE ONE BUILT TO LAST

Omaha Standard Hoists Include These Quality Features...

★ **Inside Cab Control**

★ **Body Props**

★ **Seamless Steel Cylinders**

★ **Pump, Reservoir, Control Valve and Guard**

We've been a part of successful farming and ranching for over 50 years.

COMPLETE LINE OF

CHELSEA

POWER TAKE-OFFS

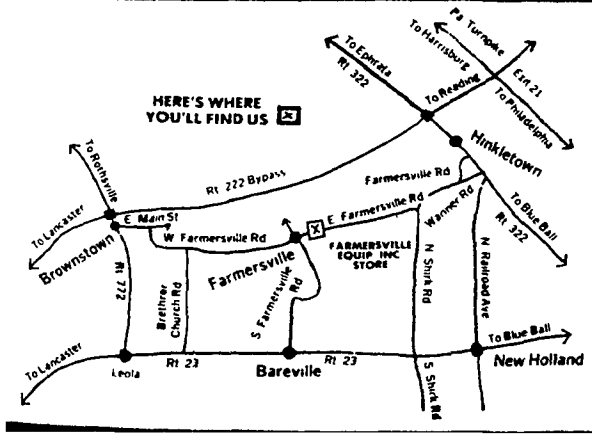
IN STOCK

We take pride in our products ...COME ALONG FOR THE PRIDE!

Omaha Standard

YOUR OMAHA STANDARD DISTRIBUTOR SERVING FARMERS IN PENNSYLVANIA, NEW JERSEY, DELAWARE, MARYLAND, VIRGINIA, WEST VIRGINIA & NEW YORK

If you are looking for a Truck Body / Conversion Hoist that'll get your jobs done, see us at Farmersville Equipment for Experienced and Professional Help.



FARMERSVILLE EQUIPMENT INC.

RD 4 East Farmersville Road, Ephrata, PA 17522
Located in the Village of Farmersville, Lancaster County
717-354-4271
Hours: Mon., Thurs. 8 AM - 8 PM; Tues., Wed., Fri. 8 AM - 5 PM; Sat. 8 AM - 3 PM

FOR SALE

1978-79 John Deere 6600 Sidehill Combine 1500 hrs. 6 row narrow corn head
15' - 0" Grain Head
John Deere 6 row liquid conservation corn planter
John Deere 950 Diesel tractor approximately 450 hrs.
Steel Liquid storage tanks - (2) 4,000 gal. (1) 2,000 gal.
Grain Dryer - AS 600 Super B
Bulk Feeder Marting steer stuffer

TROSS TERRAINS, INC.
Located on Rt. 890, Six Miles South of Sunbury.
Phone 717-286-6411 or 717-286-0215

PUMPS

IRRIGATION - WASTE - MANURE - FIRE - INDUSTRIAL
New - Used
Diesel, PTO, Electric, Gasoline

USED
GORMAN-RUPP, HALE, MARLOW PUMP
Please call or write for availability

REYNOLDS ALUMINUM PIPE
Irrigation, Repairs & Gaskets for:
RACE, WOSCO, WADE, IRRECO, CHAMPION, SHUR-RANE, McDOWELL, RAINBOW, A-M AND OTHERS

SPRINKLERS: Rainbird, Nelson, Skinner
MURPHY SAFETY PUMP CONTROLS

Good rebuilt GORMAN-RUPP PTO pump, also used Hale, CMC, Marlow, Peerless-Electric

"We Deal in Solutions"

EECO, INC.
4021 N. 6th St., Harrisburg, PA 17110
717-238-9423

Sweigard Brothers
RD #3
Halifax, PA 17032
717-896-3414

FORD TRACTORS
New TW 20 w/cab, 4wd, air
New Ford 4610
New 6600
New Ford 7710 w/Sycro. Trans.

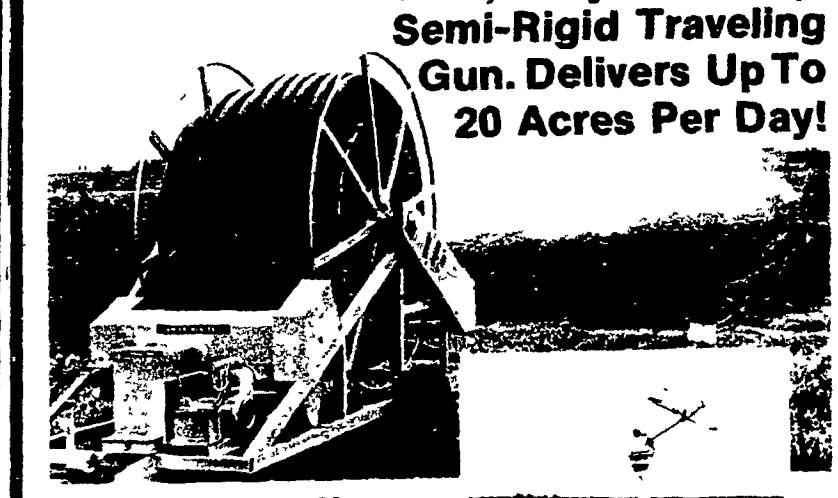
NEW HOLLAND
New TR70 Combine w/cab, air, heater, w/cat. engine and lots of extras
13' flotation header and cutter bar, w/hume reel
962 N4 corn head
New NH harvesters - 707, 718, 782
New NH 892 w/metal detector
New L35 gas, L325, L555 diesel, skid loaders
New 353, 358 Grinder-Mixers
Used 516 Sgl. Btr. Manure Spreader

NEW IDEA
NI 406 rake
NI 323 one row corn pickers
NI 213 & 244 Manure Spreaders
NI 3 pt. Hitch Fertz. Spreaders

New Glencoe 12'9" Finishing Harrow
Used JD 340 Disc Harrow
Used IH 550 Harvester w/Windrow PU & 2R Corn Head

SR-1200

New, Easy-Handling, Semi-Rigid Traveling Gun. Delivers Up To 20 Acres Per Day!



- Big capacity. Up to 20 acres per day with the economy and efficiency of a traveling gun.
- Irrigates up to 9 acres per setting. 1200 ft. reel capacity.
- Easy to set up. Just set the winch at one end and pull the trailer to the opposite end.
- Easy to operate. No hose loop to damage crops. The hose acts as your winch line.

Vermeer

See The SR-1200 On Display At AG PROGRESS DAYS, Loc: West 6th St.

TRIPLE H EQUIPMENT
RD 1 Box 164
Peach Bottom, Pa.
717-548-3775 or
717-548-2094

RED WING FARMS
RD #1 Fleetwood, Pa.
19522
215-944-0402

BUY NOW AND SAVE!

NEW IDEA	JD #115	NH #8	GEHL 920, 3
#603, 14'x4', 2 beater Case gear	3 beater, roof 10 ton gear	16'x6', 3 beater, roof, pintle apron on JD 12 ton tandem gear A1	beater roof, pintle apron, 12 ton tandem gear, A1
$895	$1800	$3900	$4500

NEW - Landoll Soil Conditioner 7 shank 8'9" cut $6100
NEW - Bush Hog 12' offset disk $6300
USED - 1845 G Uniloader $9900
USED - Case 1830 Uniloader, Excellent Condition $6500
USED - New Idea 325/327 pickers $6500

USED EQUIPMENT

TRACTORS
'79 Case 1210 p.s.
AC 7080 Cab-Air-Heat
Case 1370 Cab-Air-Heat 24.5x32 Radio
Case 1090 18.4x38 (New) Power Shift
Case 1170 Cab-Heat 8 Spd. 20.8x38
Case 900 w/Pulley
Case 2090 Cab
MM602 Diesel
Oliver 770D

LOADERS
Uni Loader Broom
1845 G
Hough Wheel Loader
White Backhoe

NEW IDEA
206 Spreaders
325/314 Picker Sheller
323 Pickers
214 Spreader
218 Spreader
325/327 Pickers

FORAGE
JD 65 Blower
Stauffer Forage Box
Fox HA Harvester
JD 3800 Harvester
Hesston Blower
JD 115 Forage Box
Farmhand Rake
Gehl 620 Forage Box

MISCELLANEOUS
Case 12' Disc Harrow
NH 371 Flail Spreader
Wetmore 878 Grinder Mixer
Bush Hog 12' disc
JD 54 Spreader

UNI-SYSTEM
702 G Power Unit
702 D Power Unit
710 Combine
743 N Head
767 Harvester
738 4RN Head

Waiver of Finance - Used Tractors - Dec. 1, 1983

206 GROUND DRIVE SPREADERS IN STOCK

A.L. HERR & BRO.

PARK AVE., QUARRYVILLE, PA 17566 PHONE: 717-786-3521

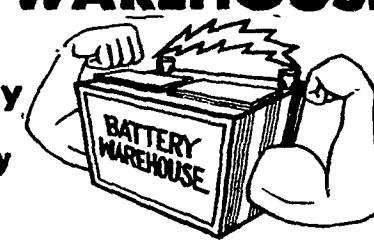
Case · NEW IDEA · GEHL Gets into your system · BUSH-HOG

WITH COUPON

Tired of Being Overcharged?

THE BATTERY WAREHOUSE

offers a complete line of factory fresh **top quality** batteries for all of your farming needs at everyday **low low** prices.



Now Featuring Our Group 1 6 volt At

$29.95 Exch. **440 Cold Cranking Amps**

(Our Most Pop. 6 Volt Fits Many Old Farm Tractors)
We Specialize In "Hard To Find" Industrial Batteries

Passenger Car Batteries As Low As **$29.95 Exch.**

FOR MORE INFORMATION - STOP IN OR CALL ONE OF OUR MANY CONVENIENT LOCATIONS

THE BATTERY WAREHOUSE

6100 Allentown Blvd.
on Rt. 22 East
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1115A Maugans Ave.
Hagerstown, Md. 21740
(Immed. of I-81 - Maugans Ave. Exit)
(301) 791-7780 or 7781

110 Lundy Lane
Geistown Clover Leaf
Johnstown, PA 15904
(814) 266-7807

5240 Simpson Ferry Rd.
Windsor Park Shopping Center
Mechanicsburg, Pa. 17055
(717) 697-4414 or 4415

1519 Mt. Rose
York, PA 17403
(717) 846-5925

2300 Shillington Rd.
Sinking Springs, PA 19608
(215) 777-5284

3108 Pleasant Valley Blvd.
(Next to Dunkin Donuts)
Altoona, Pa. 16601
(814) 942-2888 or 2914

837A Balt. Blvd. Rt. 140
Westminster, Md.
From Baltimore
(301) 876-7188
From Westminster
(301) 857-4566

1691 Lincoln Way East
(beside Nichol's Department Store)
Chambersburg, PA 17201
(717) 264-7414

Complete Price Sheet Available Upon Request

WITH COUPON

FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT

MURPHY'S LAW

No matter how long or hard you shop for an item, after you've bought it, it will be on sale somewhere cheaper.

C & W'S LAW

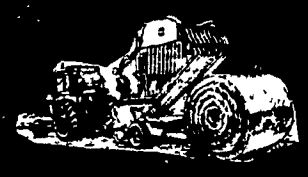
No matter how long or hard you shop for an item, you will get your best deal from us, plus service to back it up.

P.S. - These prices are good through August 31, 1983. Take advantage of your best deal now. Prices will never be lower.

C & W Bargain Corral New Tractors & Machines

963 six row corn head	12,125
884 diesel row crop, 18.4x30 rear tires, 73 HP	$19,800
584 diesel row crop, 16.9x30 rear tires, 52 HP	13,585
1190 mower conditioner, 9' cut, flotation tires	6,450
56 blower	2,550
5100 18x7 grain drill, double disc, fertilizer, grass seed	5,150
881 harvester w/2 row corn head and hay pickup	16,700
560 manure spreader, hydraulic endgate	5,575
720 5-18 auto. reset plow	7,575
720 4-18 auto. reset plow	6,650
730 adj. width plow, 4 furrow trip	5,200
730 adj. width plow, 4 furrow, auto. reset	6,275
4500 16' vibra shank field cultivator	2,850
475 disc harrow, 11'6" cut, 20" H.D. disks	4,275

WANTED: DEAD OR ALIVE ROUND BALER BUYER



One Only IH 2400 Round Baler
$8795

END OF SEASON SPECIAL

300 gallon Cagle Sprayer
Mix-N-Fill Tank
shaft driven pump
$2,750

LOCAL GROWN USED TRACTORS & EQUIPMENT

1066 cab 1 owner excellent	$16,500	NH 880 harvester w 2R corn head	3,700
240 Farmall new paint good rubber	$2,500	D R Ellis 2 row transplanter	
Massey 255 diesel w Dunham quick tach loader used 1150 hrs	13,000	Gleaner M 1974 model combine, diesel engine, cab 13' platform with pickup reel & 4 row corn head one owner	18,500
JD 2030 D w loader 75 model	9,850	IH 400 four row planter no till	2,850
IH 886 cab & air	18,750	IH #56 four row double disc planter	1,850
JD 2010 row crop needs engine work	1,950	IH 400 6 row planter, no-till	3,750
1066 Black stripe cab exc cond	17,500	Athens model 131 13' HD disk harrow equipped with Buster Bar and 4" cylinder	5,650
3200 skid steer loader	4,250	JD #130F 4 14 3 pt plow	850
JD 430 wide front	2,500	IH 700 5 16 auto reset plow	2,950
Farmall 686 D one owner 1609 hrs	13,500	IH #16 rake one owner	1,350
IH 37 baler w thrower	1,450	IH #35 rake 3 years old	1,875
IH 47 baler w thrower	1,850	IH 990 9 mower conditioner	
IH 430 baler w thrower guaranteed	2,750	IH #530 3-14 3 pt plow	650
IH 37 baler	1,200	Used lawn & garden tractors	900 and up
Papec blower good condition	650	Farmhand loader	475
IH 56 blower new ring excellent	1,800		
IH 830 harvester w 2 R corn head	6,500		
IH #93 combine	2,500		
500 gallon Walsh sprayer	1,200		

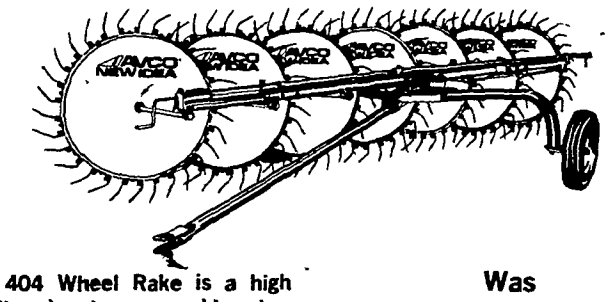
We ship parts by UPS daily We specialize in T-L-C guaranteed service

C & W EQUIPMENT, INC.

260 York Rd., Carlisle, PA 17013
717-243-4419

Summer Specials...

NEW IDEA MODEL 404 SPEED WHEEL RAKE

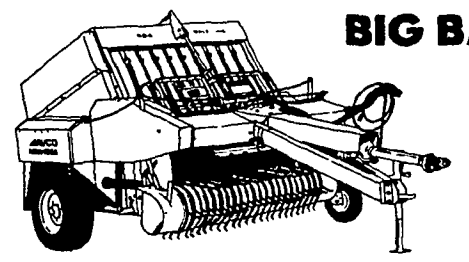


The 404 Wheel Rake is a high quality rake at a reasonable price. Rakes fast and clean in any field... smooth, uneven, contoured or hilly. Plus, it costs less to buy and less to maintain.

Was ~~$1,150~~

TRUCKLOAD SPECIAL $1050

BIG BALER SPECIAL



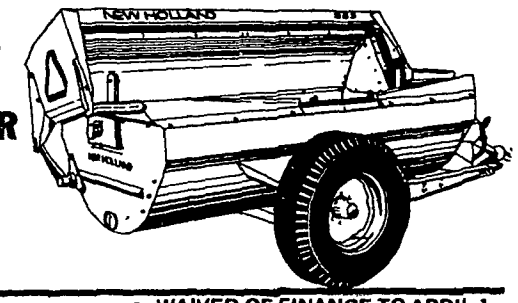
BUY NOW AT DISCOUNT OR RENT FOR $5 PER BALE!

ZIMMERMAN'S FARM SERVICE
Bethel, PA
Phone 717-933-4114

AVCO® NEW IDEA

NEW EQUIPMENT IN STOCK

NEW HOLLAND MODEL 363 TANK SPREADER
$4,595



WHITE FARM EQUIPMENT

- WHITE 2-55 Tractor
- WHITE 2-65, 2&4 Wheel Drive
- WHITE 2-75 Tractor
- WHITE 2-85 Tractor
- WHITE 2-88 Tractor
- WHITE 2-105 Tractor
- WHITE 2-110 Tractor
- WHITE 2-135 Tractor
- WHITE 543, 4 & 6R Planter, No Till
- WHITE 5100, 4 & 6R Planter, No Till
- WHITE 254 10' 4" Disc
- WHITE 348 SAR Plow
- WHITE 508 SAR Plow
- WHITE 466 Chisel Plow
- WHITE 285 Field Cultivator

WAIVER OF FINANCE TO APRIL 1 1984 WITH INTERIM PAYMENT OR...
3%, 6%, 9% APR FOR 12, 24, OR 36 MONTH RESPECTIVELY

SPERRY NEW HOLLAND

- NH L425 Loader
- NH 707, 718, 782, 892 Harvesters
- NH 310, 311 & 315 Balers
- NH 847 Round Baler
- NH 80 Bale Mover
- NH 488, 489 & 1495 Haybines
- NH 256 & 258 Rakes
- NH 38 Crop Chopper
- NH 28 & 30 Blowers
- NH No. 8 Forage Box
- NH 513, 519, 679 Spreaders
- NH 363 Tank Spreader
- NH TR75 Combine

KUBOTA We're looking for work.

bobcat 642 & 743

WOODS Division of Hesston Corporation

TYE No Till Drill

GLENCOE 7 Tooth Soil Saver

USED EQUIPMENT

HAYTOOLS
- NH 268 Baler w/Thrower
- NH 68 Baler w/Thrower
- Oliver 620 Baler w/Thrower
- NH 469 Haybine
- Gehl 880 Mower Conditioner

FORAGE TOOLS
- NH Super 717 w/1-Row
- NH 707 3 pt. Harvester w/1-Row
- JD 15A Crop Chopper

COMPACT TRACTORS
- Kubota B6000 E w/Woods RM 59 Mower
- Farmall Cub Lo-Boy

TRACTORS
- Oliver 1755 w/Cab
- MF 175 w/Loader

SPREADERS
- NI 212 Spreader
- NH 346 Tank Soreader, LH
- NH 367 Tank Spreader, LH

TILLAGE - PLANTING
- White 5400 Planter
- JD 1240 4-Row w/Monitor
- IHC 550 5-16 Plow
- Oliver 348 3-16 CT Plow

NORMAN D. CLARK & SON

Honey Grove, PA 17035 - Phone 717-734-3682
Located 14 Miles South of Port Royal on Rt. 75

Engine Specialists Since 1915

WHITE ENGINES

Makers Of HERCULES Engine

The Diesel For:
- SHOPS
- GENERATOR SETS
- REPOWER, ETC.

Direct Injection Makes It Easy Starting

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Let Us Know Your Service Problems
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HOOVER DIESEL SERVICE

PH: 717-656-6133
2998 West Newport Rd.
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2½ mile East of Leola - Along 772

PH: 717-786-2173
RD 3, Box 91A
Quarryville, Pa. 17566
2 miles west of Georgetown on Furnace Road

DEALER INQUIRIES INVITED

NEW:

HOOK-N-LINK CHAIN

- 2" high Angle Flight, 24" Centers @ $8.85/ft.
- 2" high Angle Flight, 18" Centers @ $9.35/ft.

Our chain will replace existing installations of Patz, Berg and Jamesway. Corner Rollers, Reverse Curves and Sprockets are also available!

BALE CHOPPER — GOOSSEN

3-Point, mounted with blower and distributor for feeding hay into a Mix Wagon with silage and grain for a TMR.

FIBERGLASS FARM FUNNELS
$135.00

CALL
BONITA PRODUCTS
(717) 263-8914

FOR SALE

TRACTORS

1930 Case standard diesel
1930 Case Comfort King diesel, 500 Case diesel, 560 IH gas, W400 IH gas, 450 H diesel, G AC w/ hydraulic cultivators.

NEW EQUIPMENT

8' Brillion packer seeder, Lely fertilizer spreader, Perry harrow, spring harrows, 20 and 24 blade disc harrows.

USED EQUIPMENT

336 JD baler, 24 blade JD disc, 455 NH mower, NI 10A spreader, NI 206 spreader, NH 256 rake, NH 56 rake, Oliver trailer plow, Oliver and McCormick two way plows, JD #4 mower, McCormick #9 mower, cultipackers, McCormick PTO and ground drive corn binders, McCormick #9 silage cutters, Papec 16" silage cutter, Gehl C40 silage cutter.

717-656-9733

USED BELTING MATERIAL RUBBER MATS FOR

Comfort stalls, Free Stalls
Horse Stalls, Horse and Cattle Trailers,
Hog Houses

Paul N. Brubacher
215-286-5298

WENGER'S IS E-X-P-A-N-D-I-N-G TO SERVE YOU BETTER

Used Parts — East Coast's Largest

COMBINES

JD 7700-6600-4400-3300-55-45-40-12A
IH 815-615-315-403-303-203-205-105-101-93-91-141-127-64-76
MF 760-510-410-300-92-82-72-35-26-Clipper
Gleaner CII-EIII-A-E-60
Uni 704-702-701-717-710-Etc.
Case 960-660-600
NH 975
MM 4296
Over 100 Corn & Grain Heads For Salvage

HARVESTERS

JD 38-35-34-12-8-6
IH 650-550-55-50-350-16-15
Fox 2200-2000-1000-546-FA
NH 880-818-800-S717-717-770-616
Gehl 600-300-188-84-83
Case 300 Ford & Papec

BALERS

JD 214T-24T-14T
NH 269-78-569-69-68-67-66
IH 57-47-37-27-55-45
Oliver 720
MF 10
AC 303
Case

HAYBINES

IH 225-201
JD 480
NH 490-460
Hesston PT10
OMC 29-25
Case 950

PICKERS

NI 331-311-305-10-7
JD 237-227
IH 2MHD-2MH-2ME
Ford Blue 1 Row & 2 Row
Woods

SPREADERS — CORNPLANTERS — HAY CRUSHERS — BLOWERS — CORN SHELLERS — CULTIVATORS — PLOWS — CULTIPACKERS — CULTIMULCHER — DRILLS — RAKES — SICKLE MOWERS — NI 7' & 9' CUT DITIONERS

CONSTRUCTION ITEMS

Crawlers:
Cat D2-D4-977-933
JD 350-440-420-40-MC
IH 175-100-TD14-TD9-TD6-340-500
AC HD4
Oliver OC46-OC3-OC6

Backhoes:
Case 680-530-320
Ford 4500

Skidders:
JD 540

Skid Steers:
Case 1737
Melroe 444

Lots More Incidental Items

FARM TRACTORS FOR SALVAGE (Over 200)

AC: 220-210-200-D21-190XT-190-D19-D17-D15-D14-D12-D10-WD45-WD-WC-G-CA-C-B-Etc.
Case: 970-770-1030-930-830-730-630-530-430-800 Series-700 Series-600 Series-500 Series-400 Series-300 Series-200 Series-DC-SC-VAC-LA-990-880-Etc.
Ford: 9000-8000-7000-6000-5000-4000-3000-2000-900-800-700-600-NAA-Major-Dextra-8N-9N-Etc.
IH: 1466-1066-856-756-656-1206-806-706-606-660-574-454-464-444-560-460-544-504-424-404-450-400-B414-B275-350-300-240-230-200-140-130-100-Super A-Cub-154 LowBoy-Super C-A-B-BN-C-H-M-MD-MTA-W4-W6-W9-Etc.
JD: 5020-4020-3020-2020-1020-2520-5010-4010-3010-2010-2510-1010- 435-830-730-630-530-430-820-720-620-520-420-80-70-60-50-40-MT-M-R-G-A-B-H-Etc.
MF: 1130-1100-180-175-165-150-135-Super 90-85-65-50-40-35-30-20-Etc.
Long: 560-460-445-360-350-Etc.
MM: G1000-670-302-445-335-5 Star-4 Star-3 Star-2-UB-U-Etc.
MH: 444-44-33-101-30-22-Junior-Pony-Etc.
Oliver: 1950-1850-1750-1650-1550-1450-1250-1800-1600-880-770-660-99-70-60-88-77-66-550-55-Etc.

PARTS CALLS TAKEN 7:30 AM to 5:00 PM WEEKDAYS
7:30 AM to 12:00 NOON SATURDAY
(Please, No Calls After Hours)
PROMPT SHIPMENT — CASH SALES ONLY

WENGER'S FARM MACHINERY, INC.

251 South Race Street Myerstown, PA 17067
(717) 866-2135

WENGERS INC.

251 South Race Street
Myerstown, PA 17067

717-866-2135

Nights Phone: 717-866-7147 or 717-273-9089

CONSTRUCTION EQUIPMENT

NEW 1983 TRAILERS ON SPECIAL
- 1 Axle, 2 Ton..... $1150
- 2 Axle, 4 Ton..... $1350

RUBBER TIRED LOADERS

JD 544B $28,500
OMC 770. .... $16,500
Michigan 55 ... $8500
Prime Mover LD50 ..... $12,500
Hough HH - As Is..... $2500

BACKHOES

Ford 7500 ... $20,000
Parsons $6950
Case 580B .. $12,500
Ford 4500 ... $10,500
Ford 5500 ... $12,500
Long 5 in 1 ... $16,500
(2) IH 3400A ... $8950
IH 3820 ..... $16,500
MF 70 ..... $16,500
JD 410. ..... $15,000
IH 3600 ..... $4950
IH 350. ..... $3950
IH 3514 ..... $4950

BACKHOE ATTACHMENTS

IH 3141 ..... $2000
Sherman. $650 $2000
JD 93 ..... $3500
JD 93A $4900
Case $1750
McConnell $2200
Long - New $4250

CRAWLER LOADERS

Cat 955K.... $21,500
Cat 933 ..... $8500
Cat 951B.... $19,500
Oliver OC6 .... $2500
JD 350 ..... $5475
JD 350B w/Backhoe... $18,500
Cat 977L.... $59,500
Oliver OC3 .... $2500
JD 350 w/4 in 1 ..... $8950
(2) Case 350 ... $8950
IH 340. ..... $4500
Cat 941B.... $24,500
(2) Case 450 . $11,500

SKID LOADERS

OMC 1700 Diesel $6500
Case 1845D . $11,500
IH 4150D.... $10,500
Case 1845G ... $8500

DOZERS

Cat D8H $18,500
Old Cat D8 .... $2000
JD 450 - 6 Way $12,500
Case 350 6 Way $9500
Cat D4C $10,500

LOG SKIDDERS

JD 440A $10,500
JD 540A $12,500
JD 440C - Burned $9500

CONSTRUCTION DUMPS

1974 IH Diesel w/9' Body - Air Brakes..... $10,900
1946 GMC 10 Wheel Dump $5000
(2) Mack 25 Ton Rock Trucks..... Call
(3) Mack 20 Ton Rock Trucks..... Call

MISC. CONSTRUCTION

(40) Used hoe buckets... From $150
(25) Loader buckets... From $100
(30) Set forklift forks ..... From $300
(6) Winches..... Call
Adams Grader . $2300
Mortor Mixer ... $650
Hein Warner C12 Hydraulic Backhoe $6000
Wayne 984 Diesel Street Sweeper $8950
1 Ton Roller ... $1000

TRAILERS

1983 2X 4 Ton ..... $1350 & $1600
1978 2X 6 Ton . $2650
1983 3X 9 Ton . $4400
1983 1X 2 Ton . $1150
1983 2X 12 Ton $5800
1978 Freuhauf - 42' Flat..... $7500
(2) 1979 Strick - 40' Flat..... $7000
28' Fifth Wheel - 2 Axle..... $2000
1963 Gindy 40' Van..... $2500
1979 Fontaine 42' Drop Deck $9500
1983 2x6 Ton.. $3600

TRACTORS WITH LOADERS

Case 580CK... $6950
Ford 600..... $3650
MF 20C..... $5950
Ford 8N $2650
IH 464..... $6450

FORKLIFTS

Ford Marshall.. $7500
Int. 7000 - 21' $10,500
Int. 4500B - 21' $12,500
Clark - 6000 lb.. $2950
Ford 21' $11,500

TRUCK TRACTOR

1974 Ford Louisville Diesel $6950

WENGER'S INC.

LONG

251 SOUTH RACE STREET, MYERSTOWN, PA 17067

PHONE: 717-866-2135

NIGHTS, PHONE: 717-866-7147 or 717-273-9089

FINANCING AVAILABLE — TRADES WELCOME

FARMALL TRACTORS

464 w/Loader - 1976 ..... $6450
656D Hydro $6000
1066 Red Cab - Nice $13,950
154 w/Rotary Mower $3500
706 w/Cab - Gas $5000
(2) 1256 w/Cab - Clean $9950
806D - WF - 3 pt. - Duals - Wts. - Turbo - Nice $7950
706D - TRY - 3 pt. $4650
Cub w/Fast Hitch $2450
674D - 1974 ..... $6950
460D - FH $2650
Cub w/Cult. $1850
706D - No PTO or Hitch $3450
15-30 - Antique $1750
130 w/FH & Cult. $3750
1066 w/Cab - 1973 ..... $10,950
1466 w/Cab - Bad TA $8500
Cub - Mower - F.H. - Snow Plow - Chains $2500

MASSEY FERGUSON TRACTORS

1105 - Nice - 1973 ..... $8950
175D $5850
180 - Gas $4850
40 w/Sickle Mower & Cab. . . $5950
165D $4950
20C w/Loader $5950
135 Gas - Turf Special $3950
44 Special - Diesel $1350
1080 Diesel $5450

FORD

8700 Cab - Air - 1977 .... $13,950
2000 w/Mower - Nice $3950
600 w/Loader $3650
9000 ..... $6950
(3) 5000D $4450 & $5450 & $6450
(4) Antique Fordsons . . . $800 & up
8N w/Loader $2650
8600 - 1974 ..... $8950

OLIVER — DEUTZ

1950T - Over/Under $7950
Deutz 10006 - As Is $3950
Deutz 6006 - Nice $5950
880 Gas - 3 pt. - P.S. $2950
1855 - Nice $7950
1850 Diesel - As Is $3950

KUBOTA

L185 w/Mower $4950

ALLIS CHALMERS

G w/Hyd. & 4 Tools $2500
WD45 w/Plow $2000
(2) G w/Rotary Mower $1850
200 w/Cab - Nice $9850
7000 w/Cab - Nice $12,950
220 w/Cab $9450
190 Diesel $3950
B110 w/Mower $1000

JOHN DEERE

4020 Console - Cab - Gas - Clean $7950
4620 - P. Shift - Nice $12,450
4320 ROPS - WTS $11,950
4320 ..... $10,950
5010 ..... $6350
(5) A ..... $595 & up
4010 LP - Wide Front $3950
(2) 50 - Choice $1450
4230 - ROPS - 1976 ..... $10,500
4430 Cab - P. Shift - 1975. $16,450
4030 - Syncro - 1974 ..... $9850
2840 - Clean - 1978 ..... $11,950
4520 - Nice $8950
1936 Antique "A" - Nice ... $2850
70D w/3 Point $2000
720 LP w/3 Point $2000
"G" $1450
60 w/NI 2x Picker $3000
"D" - Antique $1750

LONG

310C - New $6750

CASE

VAC - Nice $1250
580 CK w/Loader & 3 pt. ... $6950
(3) 930 Standard ..... From $2500
1270 w/Cab - P. Shift - Nice . $9850

TRACTOR CABS

(1) Used For AC 190XT $1000
(4) Used for JD 4020 ..... $350 to $1000
(1) Used for IH 06 & 56 ..... $750
(1) Used for Ford 6000 ..... $775
(1) New for Ford 5000-7000 $1800
(5) New for MF- 275 to 1155 ..... $2000
(10) Used Rollbars ..... Call
New Cooler for Cab $500
Used for IH 66 - Nice $1500
Used for IH 66 w/Air - Nice. . $1850

4WD POWER

• CASE 2470 • WHITE 4-150 • MF 1850 w/Duals
All Have 3 Pt. - PTO - Cab - Air Etc.
Your Choice $15,950

New Idea 706 Diesel Uni System includes:
- 706 Tractor w/850 hrs.
- 729A Sheller
- 844 Cornhead
- Qt. Feeder House
- 727 Husking Bed

CLEAN UNIT $25,000 Complete
(We Will Separate)
COMING IN: 705 Diesel w/767 Superchopper

Coming In — CALL
(2) NI 30" PICKERS - DISC'S - PLOWS - CORNPLANTERS - CULTIMULCHERS

JUST ARRIVED
Used 13 Ft. Bush Hog Rotary Mower $2500

"5" 4 WHEEL DRIVE TRACTORS

From 65 HP to 200 HP

MF 1805 - Cab - Air - 3 pt PTO - Duals - Nice - 1500 Hrs. $15,950
Ford County 6 - 3 Pt - PTO $5950
Case 2470 - Cab - 3 Pt - PTO - 1973 ..... $15,950
MM AT4-1400 - 3 PT - PTO As Is $5750
White - 4-150 ..... $15,950

BALERS

NH Super 69 w/thrower $1450
JD 410 Round Baler - Nice. . . . $5850
Hesston 5600 Round Baler - Nice. . . . $4850
Gehl 1500 Round Baler - Nice. . . . $4500
(2) NH 66 ..... $795 & $895
Case 230 w/Thrower . . . $1450

COMBINE CORN HEADS

NARROW ROW
IH 833-743-733-429-329-863-327
JD 643-443-434-334-313-335-343
AC 630-430-330
Oliver 703N-531-541-704N
MF 63-43-33-321
NH 4x30 QT
Case 4x30-3x30
NI UNI - 3x30-4x30

WIDE ROW
IH 744-429-329-327-724-229-228-227-25-22-844
JD 434-334-234-210-205-10-344-244-444
AC 440-435-240-238
Oliver 544-531-522-512-
MF 44-24-422-322-222-22-20
NH 2x40
Case 4x40-2x40
NI UNI 3x40-2x40

"CLEAN" COMBINES

JD 4400 - Nice - Rotary Screen $17,900
JD 45 SB w/2 Hds. $6950
MF Super 35. . . $4950
IH 82 Pull Type. $3500
JD 45 SB $6950
Case 660 - Nice $6950
NI 706 Uni System $25,000
NI 705 Uni System $17,500

HAYBINES

Ford 9' $2000
Hesston PT7. . . $1950
(2) N.I. 279 Cutditioner - Nice $3500

GRINDER MIXERS

OMC - Nice $3850
NH 352 ..... $3450

CHISEL PLOWS

7' 3 pt. Taylor . . . $950
Mohawk 12' 3 pt. $1500
7 Shank "V" Chisel $1500

SICKLE MOWERS

(15) On Stock ..... All Price Ranges

CORNSHELLERS

JD #6 ..... $1500
MM 1200 ..... $3800-$4500
(2) JD 43 - 3 Pt. ..... $475 & $875
(2) JD 43 - Pull . . $875

STACK MOVERS

Hesston 10W & 30
JD 200

ELEVATORS

32' to 40' - $695 & Up

CULTIVATORS

1 Row to 4 Row
Lots of Makes And Models

NI UNI SYSTEMS

727 Husking Bed
2x40 Cornhead
3x30 Cornhead
3x30 Chopper Head
Pickup Head
High Moisture Throat
2x40 Chopper Head
3x40 Corn Head
760 Chopper
NI 706 Uni System
NI 705 Uni System

MANURE SPREADERS

NI - NH - IH Single Axle ..... $495 & Up
NH Tandem Axle. $2850
Badger Liquid Tank
Clay Honey Wagon

WAGONS

6-8-10-11-12 Ton Gears ..... $425 & Up
New Bale Bodies $595
New 16' Feeder Rack $595
Used 18' Feeder Rack & Gear $595
(6) Used Bin Wagons . . . $695 & Up
Self Unloading Wagons. . . $1850 & up
Bale Wagons $695 & up

MISC. MACHINERY

Rotary Hoes
Lely 13' Roterra
4' to 10' Snow Plows
Lime Drills
Potato Plows
1X & 2X Potato Diggers
GT 270 Dryer . . $3500
Mc 600 Dryer . . $3500
(2) Gehl 72 Flail Choppers
JD 1500 Power Drill

COMBINE CABS

JD 7700 ..... $1250
JD 4400 ..... $1250
IH 815 w/Air . . . $1650
Gleaner E $875
Gleaner CII From $475
IH 403 w/Air . . . $1000
MF 300 ..... $850
Case 660 ..... $600
IH 303. ..... $650
NI Uni System ..... $675 & up
(2) NH 975 . $850 & up
IH 315. ..... $950
New Gleaner E . $1250
JD 3300 w/Air . $1500
MF 410 ..... $850
MF 760 ..... $1250

DUALS

New & Used All Sizes

BASE HARVESTERS (See Below For Heads)

Fox 2200 ..... $1250
Fox IF $650
Gehl 800 ..... $3750
(2) AC 720 ..... $750
(2) JD 25 w/1 Row Corn ..... From $1500
JD 35 ..... $1250
NH 890 ..... $3750
(4) NH Super 717 ..... From $1250
NH 880 ..... $1250

HARVESTER HEADS

FOX
(2) 726 2x30 ..... $1150
728 2x30 ..... $750
(4) 2x30 - Fits Most ..... From $500
(2) 2x40 - Fits Most ..... From $400
(2) 2x30 & 2x40 Snapper - Fits Most . . From $1750
1x - Fits Most $400
3x30 - Fits Most . . . $1750
3x30 Snapper - Fits Most $3500
4x20 - Fits Most . . . $1500
(6) P.U. - Fits Most ..... From $195
(2) Cutterbar - Fits Most . . . Farm $695

GEHL
2xWN (800) $1850
2x30 Belted (600) . $1250
(3) 2x30 - Chain (600) ..... From $350
2x30 (300) $650
2x30 (188) $495
(8) P.U. ..... From $195
(2) Cutterbar . From $195

MISC.
(2) AC 2x30 (720). . . $650
(3) AC P.U. (720) ..... From $395
AC P.U. (780) $295
(2) Case PU (300). . . $695
Case 2xWN (300). . . $395
Ford P.U. $95
(2) Hesston P.U. ..... From $195
Papec 1x. $95
Papec P.U. $95

IH
(2) 2x30 (550-600) ..... From $1000
2xWN (550-650) . . . $595
1x (16-350) $295
(7) P.U. (550-650) ..... From $350
(5) P.U. (16-350) ..... From $295
(4) Cutterbar (550-650) . . From $695
(3) Cutterbar (16-350) . . . . From $95

JD
2x40 (38) $395
P.U. (38) $750
(3) P.U. (34) . . From $295
(3) Cutterbar (34) ..... From $395
(2) Cutterbar (Older) ..... From $195
1x Corn (12) $295

NH
(3) 3x30 (880-890) ..... From $1500
(5) 2x30 (717-770) ..... From $495
2x30 (880-890) . . . $1000
(2) 2x40 (880-890) ..... From $650
2x40 (717-770) $895
(5) 1x (717-770) ..... From $250
(2) 1x (880-890) ..... From $395
2x30 Snapper (880-890) $3500
(3) 1x Snapper (770) ..... From $1500
822 - 2x30 - New . . $2500
2x40 (818) $595
(2) P.U. (818) . From $495
(4) P.U. (880-890) ..... From $1000
(5) P.U. (717-770) ..... From $695
P.U. (707) - New. . . $1200
(4) Cutterbar (717-770) . . From $495
(2) 1x (616) . . . From $195
(2) Cutterbar (616) ..... From $195
(5) P.U. (616) . From $195

NEW EQUIPMENT SPECIALS

- 6' 3 pt. blades $195
- 7' 3 pt. blades $250
- 8' 3 pt. blades $350
- 6' 3 pt. Landscape boxes $475
- 6' 3 pt. disc's $495
- 7' 3 pt. disc's $695
- 3 pt. fert. seeders ..... $275 & $395
- 3 pt. boom poles ..... $50 & $100
- Round bale feeders $145
- 3 pt. P.T.O. woodsaws $495
- 3 pt. 12" Post Hole digger $450
- 165 bu. gravity bins $475
- 210 bu. gravity bins $565
- 1 x 3 pt. plow $295
- 2 x 3 pt. plow $495
- 3 pt. bale mover $150
- 3 pt. potato plow $95
- 3 pt. subsoiler $150
- 3 pt. spike harrow ..... $500 & $600
- 6 ton wagon $425
- 8 ton wagon w/goodies $575
- 10 ton wagon w/goodies $625
- 11 ton tandem w/goodies $950
- 12 ton wagon w/goodies $950
- 4' 3 pt. rotary mower $485
- 5' 3 pt. rotary mower $495
- 6' 3 pt. rotary mower $695
- 4' pull rotary mower $675
- 5' pull rotary mower $695
- 6' pull rotary mower $895
- 6' 3 pt. stone rake $495
- 7' 3 pt. stone rake $525
- 8' 3 pt. stone rake $545
- Speedy 1200 bushel corn cribs $895

COME TO THE PEOPLE THAT DO BUSINESS

BROOKS
FORD TRACTOR, INC.
SPECIALS

Ford 10 shank chisel plow $2,450

NEW HOLLAND SPECIALS

451 mower	$1700	303 liquid injector	1800
38 crop chopper	4200	782 harvester w/heads	13000
258 rake	2300	489 mower conditioner	7500
		488 mower conditioner	6500

GOOD USED EQUIPMENT

Blower	NI	Box Spreader	IH
Blower	Gehl	Box Spreader	JD
Tank Spreader	Hawk Bilt	Baler	NH 69
Tank Spreader	JD	26' Elevator	NI 155

West College Avenue
Pleasant Gap, PA 16823
PH: 814-359-2751

NEW & USED EQUIPMENT SPECIALS

NEW TRACTORS:
JD 2440 w/Wts. Hilo
JD 2640 w/Wts. Hilo
JD 2150 2 Wheel & 4 Wheel Drive
JD 2350
JD 2950 4 Wheel Drive
JD 4050 Cab, Air, Power Shift
JD 300B Ind. Tractor w/Loader, Forward & Reverse, Back Hoe Available
Fiat Agra Power 4000 48 H.P. Tractor w/Narrow Tread, Diff. Lock, Fenders.

REBATES & WAIVER OF INTEREST WITH JOHN DEERE FINANCING

USED TRACTORS:
JD 4020 Tricycle w/Wts., Side Console, Synchro Fenders
JD 4430 Cab, Air, Power Shift, Turbo, Wts., PTO, 125 H.P.
Ferguson T030 w/Woods 80 3 Pt. Mower
JD A w/Wide Front
JD 50 Tricycle, Power Steering
JD 950 w/Power Steering, 341 Hrs. - Like New

NEW MISC. SHORT LINES EQUIPMENT:
Brillion 5'4" 3 Pt. Landscape Seeder (Brush Type)
Hayban 3 Pt. Corn Sheller
Little Giant Drag Elevator
York Rake 3 Pt. 6' w/Wheels
Woods B250 6' 3 Pt. Blade, Cat. 1, 30-5 H.P.
Arps 48" 3 Pt. Blade, Cat. 0, to 16 H.P.
Westfield 80 56' Auger - Transport PTO
Woods Cadet 72" Pull Type Rotary Cutter
Kuhn 10' Pull Type Tedder
Lely 10' Pull Type Tedder Rake
Vicon 3 Pt. Fert. Spreader
Lely 3 Pt. Fert Spreader
Century 400 & 500 Gal. Boom Type Trailer Sprayer
Lamco 16' Bale Flat w/Sides
Lamco 6' x 8' Flat Body w/Sides & Tailgate For Pickups
Ideal 14' x 4' Pipe Farm Gate
Tye 7' Pull Type Drill
Little Giant Bale Elevator
Brillion Field Cult. w/Transport & Wings, Hyd.
McConnell Field Cult. w/Transport & Wings

NEW JOHN DEERE EQUIPMENT:
6620 Sidehill Combine w/215 Grain Table
643 Corn Head (Narrow Row)
7000 6 Row Conservation Maxemerge Liquid Corn Planter
7000 4 Row Conservation Maxemerge Liquid Corn Planter
450 Hyd. Push Type Manure Spreader
415 15' 3 Pt. Rotary Hoe
1075, 1065 Wagons
1610 Chisel Plow
300 Corn Husker
425 12' Wheel Disc
716 A Forage Wagon
115 10' Disc

WAIVER OF INTEREST & JOHN DEERE FINANCING AVAILABLE

NEW NEW HOLLAND EQUIPMENT:
353 Grinder Mixer
256 Rake
311 Baler
782 Harvester w/770W & 824 Heads
38 Crop Chopper
679, 519, 513, 329, 213 Spreaders
TD 200 Disc
425 Skid Steer Loader w/2 Buckets
230 6T Wagon w/18' Lamco Steel Slap Bale Wagon w/New Tires
316 Baler w/75 Hyd. Thrower
1003 Bale Wagon
230 Wagon

WAIVER OF INTEREST & NEW HOLLAND FINANCING AVAILABLE

USED MISC.:
NH 271 Hayliner w/50 Thrower
NH 283 Baler w/No Thrower, 16' x 18' Bales
JD 444 Corn Head
JD 21 Hay Cond.
JD 205 2 Row Corn Head
Dunham 10'6" Single Packer
JD 3 Pt. Spring Tooth Harrow
JD 290 Pull 2 Row Corn Planter w/Insect.
Arps K23, Cat. 0 Post Hole Digger
Hesston PT10 Stack Wagon
United Farm Tools 6T Fert. Box w/Auger, Eng. Hyds. to set on your truck

'82 Kawasaki LTD 1000 Motorcycle, 500 Miles, Never Titled, Like New

JOHN DEERE — John Deere Lawn & Garden & Snowmobiles; Many Short Lines Of Machinery

SPERRY NEW HOLLAND — New Holland Machinery; Wheel Horse Lawn Equipment

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Serving Our Customers Since 1945
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State Highway Rt. 143
Phone 215-298-2011

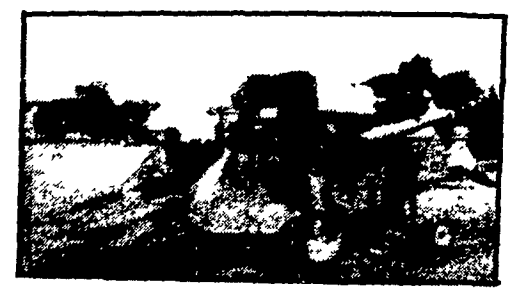
Special Priced To Move

John Deere 45 Combine w/12 Ft. Platform	$3200.00
John Deere 234 Corn Head for above (Good Condition)	$650.00
John Deere 6600 Level Land Combine w/13 ft. Platform (Good Condition)	$17000.00
I.H. Self Propelled Combine w/10 ft. Platform (Was running but sat for 2 years)	$7 SOLD 0

Extra Combine Heads

John Deere 643 Corn Head (Like New)	$8500.00
John Deere 643 Corn head (Excellent Condition)	$7000.00
John Deere 444 Corn Head (Like New)	$48 SOLD 00

John Deere 6600 w/13' platform



John Deere 45 w/12' platform

EVERGREEN ENGINES CO.
32 Evergreen Rd.
Lebanon, PA
717-273-2662

DEPENDABLE MOTOR CO.
East Main St., Honey Brook - Pa. 215-273-3131-273-3737

NEW EQUIPMENT SPECIALS

NH TD 50 Disc	$6100
NH #311 Baler PTO	$6300
NH #315 Baler and PTO	$7540
NH #315 Baler w/thrower	$9350
NH #456 Mower (ONE ONLY)	$2240
NH #258 Steel Tine Rake (ONE ONLY)	$2265
NH #258 Rubber Tine Rake (ONE ONLY)	$2515
NH #28 Blower (ONE ONLY)	$2650
NH #718 Harvester (1 only) (ONE ONLY)	$6100
NH #791 Spreader, 11:20 Tires (ONE ONLY)	$7130
NH #303 Liquid Tank Spreader, Demo Rental w/injectors (ONE ONLY)	$6950
Pittsburgh 3B 18" Auto Reset Plow	$3150
Pittsburgh 4B 18" Semi Mtd. Auto Reset Plow	$5275
Pittsburgh 12' Field Cultivator, 1 only	$1295
Hutchmaster Disc 22x¼" blades D.O.T. Flex Gang 5600 lbs.	$6200
Dunham 3 Bar 8 Tooth Chisel Plow	$1695

• SPECIAL DEALS ON THE ABOVE PLUS FREE FINANCE ON NEW & USED NEW HOLLAND HAY & FORAGE EQUIPMENT TILL APRIL 1, 1984 OR 3% 1 YEAR, 6% 2 YEARS, 9% 3 YEARS SPREADERS AND GRINDER-MIXERS TILL OCT., 1983

SPERRY NEW HOLLAND

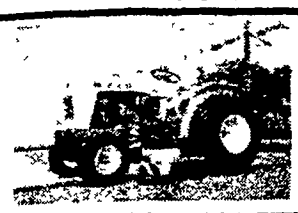
DEALER FOR TERRE HILL SILOS
JAMESWAY OSWALT ENSILMIXER DUNHAM
Leasing Available

USED EQUIPMENT

IH 650 Fg. Harvester w/Pickup
NH 478 7' Haybine, Ex. Cond.
NH 477 Haybine
NH 479 Haybine
JD 1209 Haybine
Hesston 1090 Haybine
NH 451 Mower
7' 3 pt. hitch York Scraper Blade w/100 h.p. rating
NH 325 Loader 54" bucket, like new
NH 273 Baler
NH 256 Rake
NH 770 R2 Corn Head
NH 717 N2 Corn Head
NH 717 Pickup Head
NH 519 Spreader
Martin Semi-Solid Liquid Spreader
Case 1830 Skid Loader

DEPENDABLE IS MORE THAN OUR NAME

JOHN DEERE DESIGN, DEPENDABILITY AND DEALERS MAKE THE DIFFERENCE



SATOH S550G TRACTOR
w/60" Mower
Good Condition
$3,695

CHECK THESE SPECIALS — CALL RIGHT AFTER 7 A.M. FOR INFORMATION & PRICE
NEW EQUIPMENT SPECIALS

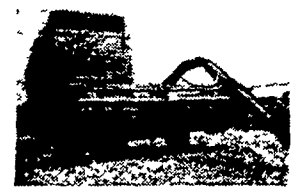
TAG 1165
JOHN DEERE 7000
6 ROW CONS.
$9,500
Reduced to **$8,995**

USED CORN PLANTERS
NOW AVAILABLE FOR FINANCE
WAIVER TO APRIL 1, 1984

Tag 1026 JD 1240 $2450 ..... reduced to $1950
Tag 1316 JD 1240 4R steel wheels..... priced at $1200
Tag 1259 IHC 56 4R ..... priced at $1250
Tag 1206 IHC 56 4R..... as is $650

TAG 1015
JOHN DEERE 7000
6 ROW CONS.
$8,495
Reduced To **$8,195**

JOHN DEERE 4240 TRACTOR
Cab, Air, Duals,
Good Condition
$24,900



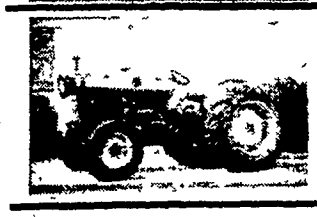
JOHN DEERE 12-14
Hydraulic Swing
Mower Conditioner
$1,650

JOHN DEERE 730 DIESEL TRACTOR
Rollmatic
Good **$3,850**

JOHN DEERE 125 CHUCK WAGON
w/High Sides, 3rd Beater,
JD 1065 Wagon Gear
Good Condition **$2,650**

1981 DUETZ 6807A TRACTOR
Cab, MF WD, AM/FM
Priced at **$16,900**

NEW HOLLAND #8 FORAGE WAGON
High Sides, 3rd Beater,
JD 1275 Wagon Gear
$3,500



FORD 3000 GAS TRACTOR
W.F.E.
$4,950

JOHN DEERE 5400 S-P HARVESTER
Cab w/Air - Htr. 18.4-26,
8 P Drive T. 1100-16- 6P
Steering T. 212 HP, 1600 Hrs.
Excellent **$27,500**
Available w/3RN RC **$3,000**
3RW RC **$3,750**

BONANZA

Looking for a good used tractor? See our selection and take advantage of finance charge waiver to March 1, 1984

SKID STEER LOADERS

NEW JOHN DEERE 90
23 HP Gas,
52" Util. Bu.
Special **$8,995**

USED JOHN DEERE 70
Gas
6' Mat. Bu.
Reconditioned
Special **$6,000**

BUY A NEW OR USED COMBINE NOW... PAY NO FINANCE CHARGES UNTIL MAY 1, 84

USED EQUIPMENT

JD 125 Forg. Wgn., hi sides, 3rd btr, JD 1065 gear
NH #8 Frg. Wgn., hi sides, roof, 3rd btr, JD 1275 gear
IHC 430T Baler
MF #3 Baler
NH S67 Baler w/ejector
NH 268 Baler w/ejector
JD 5400 S-P Forage Harvester, cab w/air/htr.
JD 3800 Forage Harvester, 1000 pto, long tongue
JD 35 Forage Harvester
JD 12-14 Hydra Swing Mower Conditioner
JD 1209 Mower Conditioner
Hesston PT10 Mow. Cond. 9'
Hesston PT7 Mow. Cond. 7'
JD 8' mower bar attach.
JD 640 hay rake
NI Uni 766 Hay Pick Up Att.
NI Uni 767 Forage Harvester - Parts Salvage
Massey Harris 82 SP Combine, w/12' Cut, Special Price $1500
JD 300 Elevator 30'
JD 7720 Combine w/215 Flex. Plat., w/643 Corn Head

OUR SELECTION OF USED TRACTORS

JD 4240 SGB, Q/R, Dual Wheels
JD 2940 Dsl, TSS Hi-Lo Trans.
JD 2040 Dsl, P/A Whls, low hrs.
JD 2630 Dsl, Row crop util.
JD 4620 Dsl, P/S, Cab.
JD 3010 Dsl, WFE
JD 2510 Dsl
JD 2010 Gas, Row crop
JD 650 Dsl, Compact Utility
JD "A"
JD "B"
WHITE 2-135 Cab, low hrs.
MF 1085 Dsl
MF 65 Dsl, row crop
MF 65 Dsl, Util. w/Farm Hand ldr.
MF 135 Gas, P/S, 3-pt, Hi-Lo
FORD 3000 Gas
SATOH S550 Gas Tractor & Mower
DEUTZ 6807A Dsl., Cab, MF WD, AM-FM, tape

NI 206 SPREADERS
NEW IDEA 95 BU.
GROUND DRIVEN SPREADERS

206 New Idea Spreader Available With or Without Steel Wheels With or Without Endgate Att.

NEW "NEW IDEA" SPECIALS

325 two row pull type corn picker w/327 husk bed
323 one row pull type corn picker

384 Solid plus spreader
386 bu./2250 gal.

Single Beater Spreaders w/Hyd. Endgate Att.
248 ..... 375 bu.
244 ..... 325 bu.
243 ..... 252 bu.
214 ..... 197 bu.
213 ..... 166 bu.

713 Uni 13' Grain Plat.
Extra Special

LANDIS BROS., INC.

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Phone -717-291-1046

JOHN DEERE

M & R EQUIPMENT, INC.

NEW PARK, PA

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SPERRY NEW HOLLAND

INTERNATIONAL HARVESTER

KUBOTA

Available - 10.5% Financing On All New Kubotas

SEE US FOR THE FOLLOWING NEW EQUIPMENT

IH

1420 combine
435 baler - priced right
5088 w/radials
784 row crop
484 tractor
720 plow - 5x20 inch
IH 56 blowers
IH 13' chisel plows

Repossessed New Idea 324 picker with 12 roll husk bed, late model, excellent

Farmall Super (M), power steering, live hydraulics

USED — IH 1440 Combine, Immaculate

NH

(3) 489 haybines
315 baler
#8 crop carrier
425 skid loader
892 F. harv.
718 F. harv.
555 skid loader
#30 blower
#28 blower
851 round baler, special $8100

USED EQUIPMENT

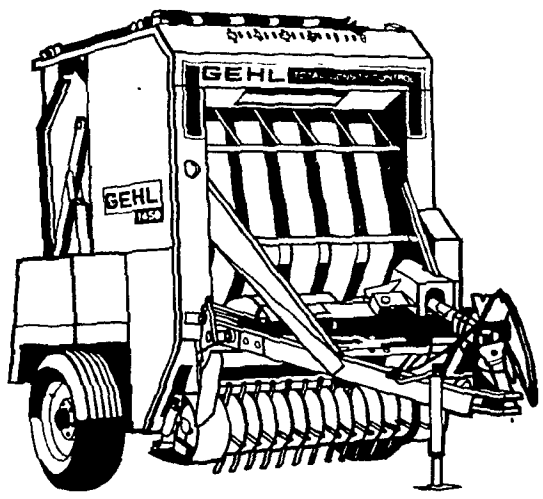
IH 1150 Grinder Mixer
Little Use, Excellent Cond.

1300 3 pt. sickle mower
NH 450 sickle bar, 3 pt.
JD 336 baler w/kicker
NH 315 baler, good cond.
JD 3800 forage harvester both heads, good for parts or fix it yourself
MF 4R planter - 50 acres
AC 600 planter, no fert., cheap
JD 1240 planter
IH 37 baler
JD 246 2 R planter, 3 pt.
JD 110 disc
IH 480 disc, new blades, w/cyl.
1975 CJ5 jeep, new top
1650 Cub Cadet
105 Cub Cadet, hydrostatic
IH 350 Diesel, fast hitch, power steering
JD 2510 diesel, excell.
IH 2400 Ind. tractor w/6 way heavy duty front mtd. blade - ideal for snow
IH 454 utility tractor w/loader
Farmall 560 D
Farmall 350 D, w/fast hitch
JD 50 tractor w/corn picker, power steering
IH 455 planter, 4R
IH 830 forage harvester
JD 440 crawler - loader
JD 440 crawler for parts

GEHL *Gets into your system*

AUGUST SPECIALS

GEHL *Gets into your system*



Gehl's 1450 round baler offers Total Density Control (TDC) with its patented "air-draulic" baling system. Choose the size of the bale's center core and density of the outer wrap according to your operations's needs and crop moisture content. Find out more about how Gehl Put Good Ideas to Work in the 1450 round baler's TDC system....stop by for a demonstration!

Gehl 1450 Baler..... List $10,640..... SALE PRICE $8,795
with delayed payment program till April 1, 1984

Gehl FC7200 Flail Chopper, 6 ft. wide cut
List $5,895 ..... SALE PRICE $4,575
with delayed payment program till Dec. 1, 1983

Gehl 1090 Mower Conditioner 9 ft. cut
List $7,035 ..... SALE PRICE $5,875

Gehl 2160 Mower Conditioner 9 ft. cut
List $8,780 ..... SALE PRICE $7,245

Gehl 2230 Mower Conditioner 12 ft. cut
List $12,660 ..... SALE PRICE $10,300

Gehl Mower Conditioners have delayed payment until April 1, 1984

Gehl Model 806 Running Gears, 8 Ton with 15x8 wheels and extendable hitch ..... List $967 ..... SALE PRICE $775

LEBANON VALLEY IMPLEMENT CO., INC.

700 E. Linden St. Richland, PA 17087
(717) 866-7518

SLURRY BUGGY VACUUM TANK MANURE SPREADERS

Designed To Load And Unload Fast To Save You Time.

- Built to last a long time.
- 2900 gallon tank w/pumps to choose from.
- Large 192 cfm Model M10 pump.
- Heavy duty walking beam suspension.
- Thick tank wall 3/8 head, 5/16 shell.
- 6" hose inlet for fast loading.
- Load level indicator and sight glass.
- Hydraulic rear valve and indicator.
- Moisture trap and secondary trap for pump protection.

OPTIONS: Giant Vacuum Pump - 350 cfm
28 ply air craft tires

$6,650.00

Farmers replace your old pump with one of ours

- Rotor Speed 1000 RPM's
- Air Capacity 192 cfm
- PTO Speed 540 RPM's
- Built in two way value to change pump from vacuum to pressure.
- Built-in oiler to lubricate pump.

EARLY BIRD SALE
$1,225.00

Most parts interchangeable with Pearson PM10 pump.

VACUUM PUMPS, HOSES, TRAPS, VALVES, ACCESSORIES

SLURRY BUGGY EQUIPMENT

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717-859-3869

Rent a SLURRY Buggy From $4 per load

AVCO NEW IDEA

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Mon.-Fri. 7:30 A.M. - 5:00 P.M.
Sat. 7:30 A.M. - 12:30 P.M.

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(215) 536-1935 or 536-7523
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BRANCH
Lobachsville, Oley, PA
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Mon.-Fri. 7:30 A.M. - 5:00 P.M.
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TRACTORS

IH 986 w/cab, air, only 1400 hrs., EXCELLENT!
IH 560 D
IH 460 D
Farmall 400
JD 4020 D
JD 4010 D w/PS
JD 4010 D
JD 3020 G w/PS
JD 2010 D
JD 60
JD 50 w/3 pt.
JD B
JD MT
Ford 901
Oliver 550
MM G1000 D
MF 1105 D w/cab
MF 50 D
Case 630 w/loader
Case 300
AC 7050 PS, w/cab
AC 7040 PS, w/cab
AC 7020 PS, w/cab
AC 190XT D w/cab
AC 185 D
AC WD45
AC WD
AC HD3 Crawler w/dozer blade

COMBINES

Gleaner N5 w/15' floating grain & 630 corn heads
Gleaner MKS w/13' grain & 630 corn heads
Gleaner CII w/13' grain & 438 corn heads
Gleaner AII w/cab & both heads
Gleaner AII w/12' grain head
Gleaner E w/cab & both heads
MF 300 w/11' grain & 238 corn heads
IH 315 w/cab, grain & corn heads
NH 975 w/11' grain & 238 corn heads
NI Uni-System 702 w/717 combine, 4-row corn head
NI 767 Chopper w/702 2-row Corn head & 761 Pick up Head
JD 8820 w/950 hrs., cab, air & heat, 15' floating grain, 830 corn heads, like NEW!
JD 55 Special w/cab, 12' grain & 330 corn heads
JD 55 w/12' grain & 338 corn heads
JD 45 w/both heads
JD 45 w/grain head

BALERS

NH 69
AC 443
MF 10 w/Thrower
IH 56 w/Thrower
(2) IH 440 w/Thrower

HAYBINES

NH 479
NH 469
NH 461
AC 904

TILLAGE

AC 2000 5B Semi-mt. Plow
JD 7B On Land Auto-reset Plow
Oliver 6B Spring Trip Plow
(2) AC 80 Series 4B Mounted, 3-pt. Plow
Brady 10 Tooth Chisel Plow, w/gauge wheels, like new!!
(2) AC 2300 Disc Harrow-15' Fold up
JD 13' Transport Disc
JD 11' Transport Disc
IH 13' Transport Disc
Brillion 12' Cultimulcher-like new!
JD 10' Cultimulcher
Vicon 14' Power Harrow, DEMO-Special price!

MISC.

(2) Weaverline 223 Electric Feed Cart, 24 BU.
(2) Weaverline 330 Electric Feed Cart, 30 BU., like new!

AUGUST SCORCHER

"WE'RE MELTING DOWN THE PRICES!"
12 USED COMBINES & 31 USED TRACTORS IN STOCK!
Units cut Thousand$$$ of Dollar$$$.
CALL TODAY--WE'LL CONSIDER ALL REASONABLE OFFERS.

NEW EQUIPMENT SPECIALS

NI Uni-System 802 Diesel w/cab, air, 4-wh. dr. w/767 Super Chopper, Model 768 3-row Corn head & Model 766 Pick up Head-6 ft.
(2) NH #8 Chuck Wagon, 3 beater w/roof, 8-ton running gear & flotation tires.
(2) NH 847 Round Baler
(2) NH 90 Bale Mover
NH 80 Bale Mover

BUILDINGS & SUPPLIES

Good used blue styrofoam insulation sheets. 16"x54"x3" thick, 24"x48"x2" thick, approx. ½ of new price. Also miscellaneous butcher equipment and supplies, used ammonia and Freeon equipment, 717-667-2185.

Barn 50x35' w/attached 11x30' wagon shed. 717-264-8370.

10x12 building, free for removal. 215-273-3095.

Free materials to anyone interested in tearing down 29 unit aprt. building near Pottstown, PA. 215-323-7464 Mon.-Fri. 9-5, ask for Ginny.

500x40' 1 story modern chicken house for sale, Manheim area, 215-874-5077.

For Sale - 16 50' trusses $1200. Approx. 80 sheets 3x14' alum. roofing white $1000, 13 40' trusses $700. Call 215-987-3236.

For Sale - 500 Locust posts, 7' to 8' long, $1.50 to $2.00 each, 717-687-8364 between 7:30 AM and 3 PM.

Approx. 900 sq. ft. 1x11 white pine flooring, 10 hand hewed joists 34' long, best offer. Jacob Ebersole, Peach Bottom, PA 17563.

SILOS & UNLOADERS

Wanted - 20' Jamesway Big Jim unloader. Berks Co. 215-683-9086

Call us for all your silo need. Detweiler Silos, RD 2, Box 267D, Newville, PA 17241. 717-776-6321 or 717-532-3039.

For Sale - 2040 Harvestore structure, white top with a Hercules unloader for grain. Like new. Call Endless Mountains, Harvestore Sys., Inc. 717-265-2200.

For Sale - Used unloaders: Jamesway, Starline and Clay; 12', 14' and 16'. 717-776-6321 or 717-532-3039.

For Sale - 2050 Harvestore structure with white top. Hercules unloader for grain. Call Endless Mountains Harvestore Systems, Inc., 717-265-2200.

Harvestore silo, 20x60, disassembled, 717-532-9271.

Titan 2600 Silomatic Unloader, 24', can be cut to smaller diameter $950, Adams Co., 717-624-8847.

19x61 Slurrystore for sale, 717-532-9271.

Starline model 70 20' unloader, $1600. Supreme mixer box, 5 hp motor, electronic scales, $1200. 301-778-0203.

SILOS & UNLOADERS

Specializing in dismantling and re-erecting steel structures. Earl B. Zimmerman, RD 4, Box 93 Royer Road, Lititz, PA 17543, 717-733-0408.

ATTENTION FARMERS!

Check everything from all angles, before you build your high moisture unit. Wood is also the best for Dry Grain

Write

Daniel S. Stoltzfus
RD 2 Narvon, Pa. 17555
Ph: 717-354-4374

SILOS & UNLOADERS

TERRE HILL SILO CO. INC.
Terre Hill, PA 17581
PHONE:
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53 Yrs. Sales Serv.
Top Unloading
Bottom Unloading

MADISON SILOS OFFERS YOU...

- Automatic Roller Mills
- Roof And Chute Replacement
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- Sand Blasting
- Gunite or Plaster Inside Finish
- Extensions
- Distributors And Fill Pipes
- Used Silos
- Starline Silo Unloaders

CALL US TODAY...

MADISON SILO CO. of PENNSYLVANIA
1070 Steinmetz Rd.
Ephrata, Pa. 17522
Phone
717-733-1206

SILOS & UNLOADERS

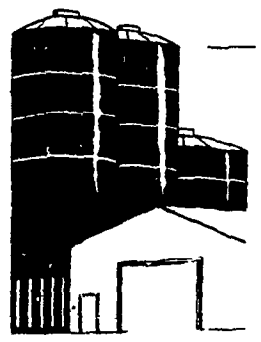
For Sale - (USED) TG50 DeLaval Sahlstrom PTO Pump For 8' Prt. Good Condition. Cash And Carry $2,000.00. Call PENN-JERSEY HARVESTORE Systems. 717-354-4051.

For Sale - Repossessed-Rental 2070 Harvestore structure with Goliath unloader. For information call PENN-JERSEY HARVESTORE Systems, Inc. 717-354-4051.

Silo-Matic - 10 h.p. motor 26' - can be cut down, 2 yeas $1350.00 Don Upperman, Chambersburg, Pa. 717-264-6007.

For Sale - 1969 White top-25x65 Harvestore Silo plus Goliath unloader, Bruce Nichols, Ogensburg, NY 13669, 315-393-4508.

Replacement Harvestore® Parts



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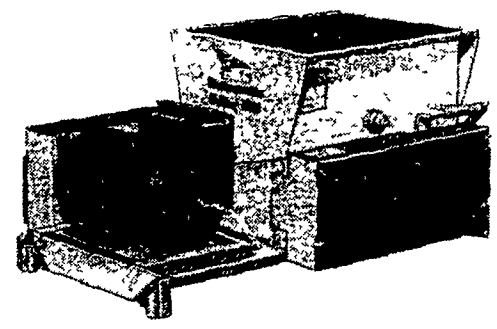

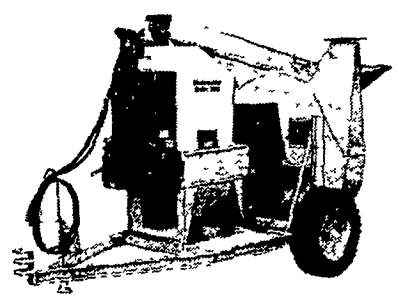

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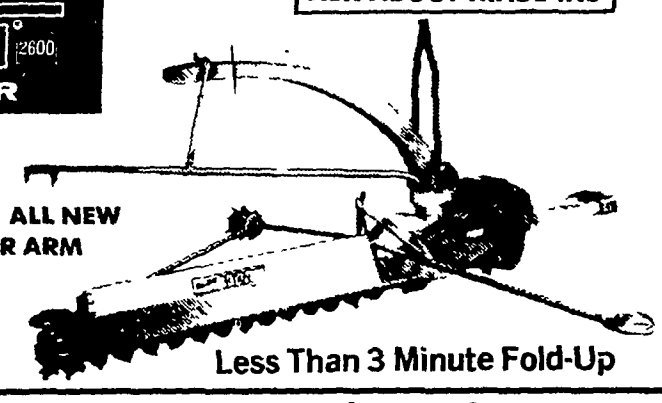

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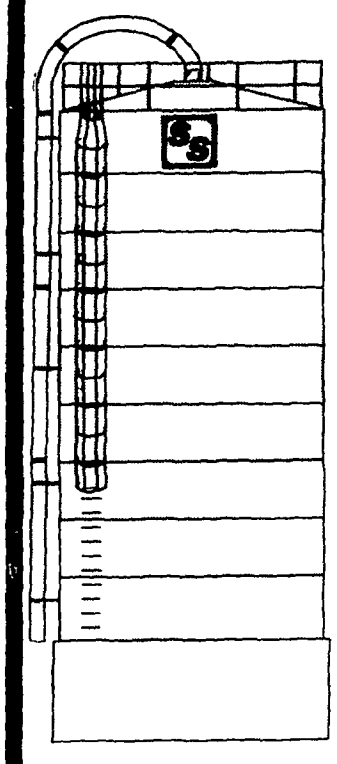

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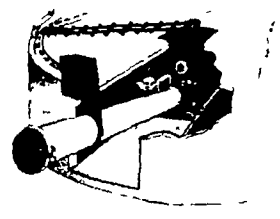

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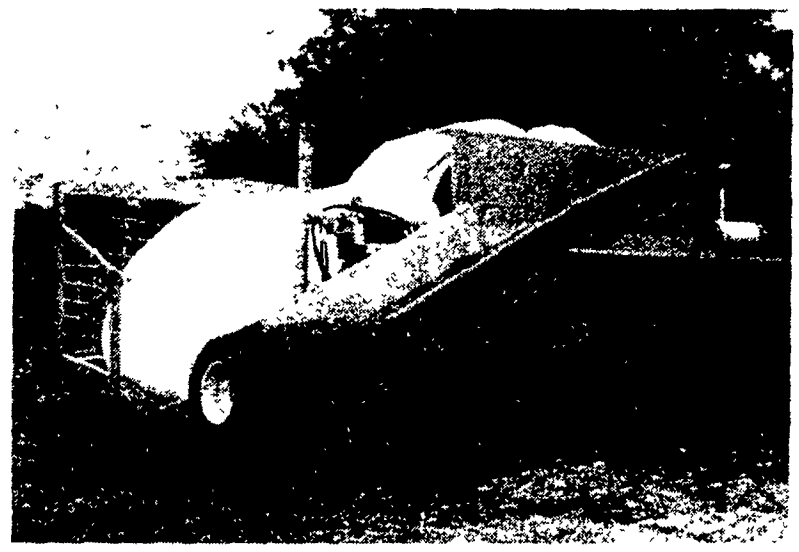

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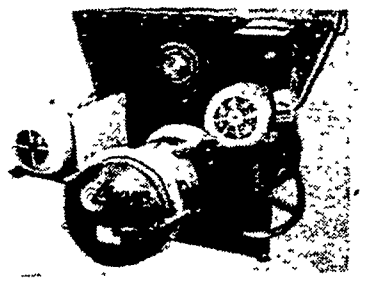

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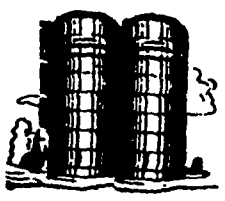

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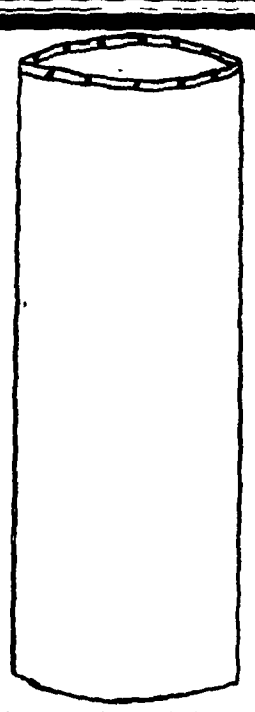

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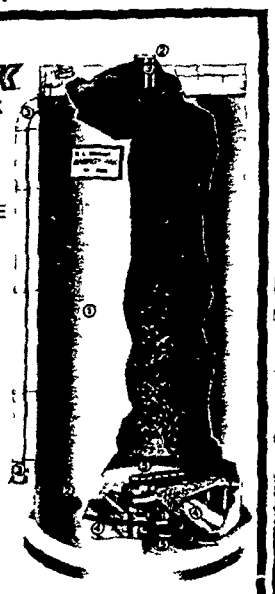

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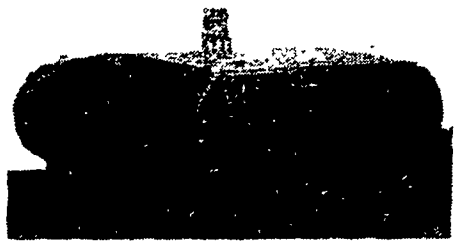

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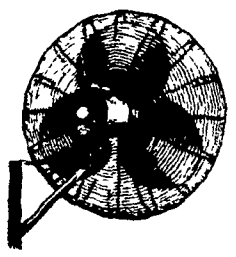

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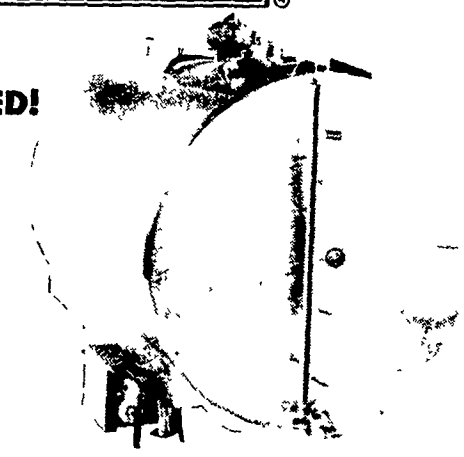
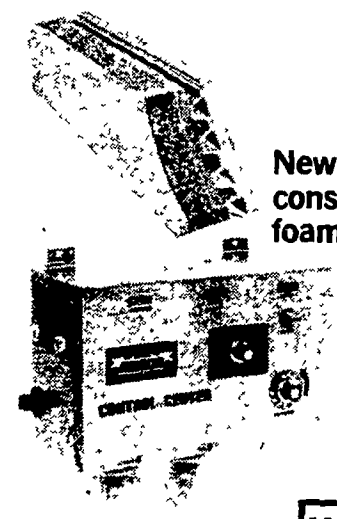
Sunset's bulk coolers... set new, high standards in milk storage





New, improved, rugged triple wall construction with high density foam and fiberglass insulation.

Sunset's completely automatic 6-cycle tank washer/sanitizer

USED TANKS AVAILABLE

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For Sale - 2 used Farm Fans K series, 7½HP, 3 phase fans and L.P. heaters $495 each. 1- GSI 9.75 HP single phase fan and L.P. heater (used one season) $895. 1- used 24' perforated floor $350. Tam Agri Corp., Dillsburg, PA, 717-432-9738.

One Moridge grain dryer, 400 bushel capacity, uses natural gas or propane, w/cross conveyor for loading, used 1 year, excellent condition, $7500. Ringgold Equipment 814-365-5012.

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60' York bucket elevator, electric 3200 bu. per hour capacity $6500; 500 GT grain dryer $5500; 1100 bushel wet bin $700; 12,000 watt winpower generator $300, cooler with compressor 12x2x8 $500; 200 wooden veal calf stalls with removeable bottoms $8.00 per stall, mobile home Detroiter 12x64" with basement, porch, car port on 1 acre, $10,000, 717-758-2255 or 758-2254.

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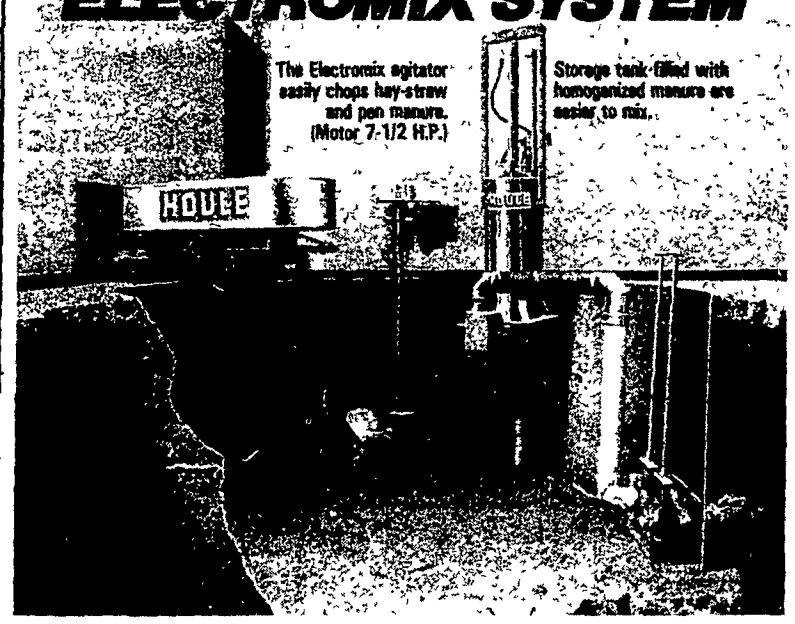
Need A Feed System That Will Accuarately Weigh, Grind and Mix Up to 22 Ingredients? You need a Weigh-Tronix SFM-2000. Call MKS Ag Enterprises, Inc. 717-637-2214.

ELECTROMIX SYSTEM


The Electromix agitator easily chops hay-straw and pen manure. (Motor 7-1/2 H.P.)
Storage tank filled with homogenized manure are easier to mix.
HOULE

Don't Cut on Cow Comfort!
The ELECTROMIX SYSTEM
handles more bedding.

The Electromix System is installed with a second 15 cm (6") P.V.C. pipe to drain rain water back into the collection pit; usually the quantity of water required to clean the milking system is enough to condition the manure, that means less water to spread in the field.

The Electromix System can be installed with 2 or more gutter cleaners and for scrape-in operations. This positive displacement pump can transfer great distances without regard to elevations. Cost is reduced with the use of 6 inch PVC pipe. The capacity of this system is approximately 10 cows per minute.

• 2 Year Written Warranty •

We are so confident in our Electromix System, we offer you a two-year written warranty with full refund of purchase amount if not satisfied.

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Manure Management Specialists

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The MANURE PUMP with a BIG BITE

If you are trying to agitate and pump manure without this big propellor and positive cutting blade, you probably aren't doing it as fast as you could.

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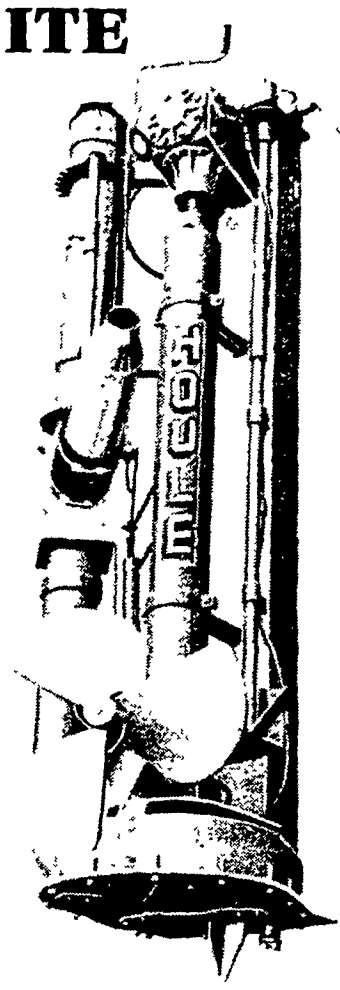

Don't be caught short of enough pump to do the job.

Call us today for more information or a free demonstration.

And don't miss our equipment exhibit at Ag Progress Days.

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6 ton Choretime feed bin with 35' auger, also Glasbord paneling- 450 sq. ft. Lanc. Co. 717-684-8255.

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6 Agstar Woven Wire Farrowing Crates (Raised), Complete Feeders and Waterers, like New, $350 each. John B. Stoltzfus, R.D. 1, Kirkwood, PA 17536, on Hill Rd.

For Sale - 2" pipe, excellent for gate construction or fencing. Call evenings and weekends 717-872-2579. Daytime 717-872-9152.

For Sale - Tox-O-Wik auto. catch chute; auto. hog catch crate; cattle oilers; hog oilers; heavy tubing gates; platform swings. Edwin W. Hoover, 717-733-8313.

Wood shavings for bedding, $150 a load within 25 mi. radius of Leola. Load avg.-2½ tons. 717-656-6945 between 8 & 5 weekdays.

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VERSATILE FENCING FOR PASTURES, FEEDLOTS, GRAIN FIELDS AND EVEN ORCHARDS

The system features Max-Ten® 200 wire from U.S. Steel Corporation strung on posts pressure-treated by Koppers Company. Together they provide long spans, minimal hide damage, extended service life and low maintenance.

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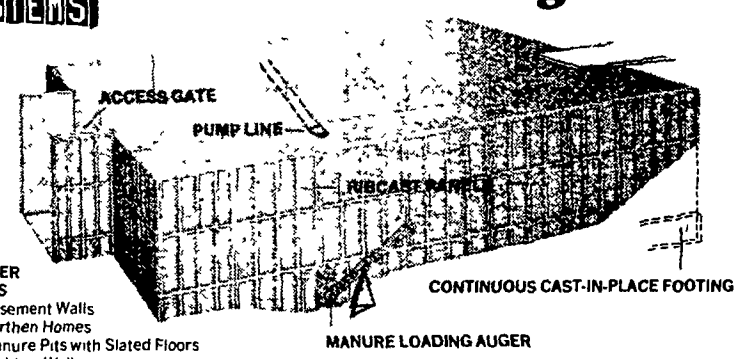
RIBCAST SYSTEMS

Manure Storage



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- Basement Walls
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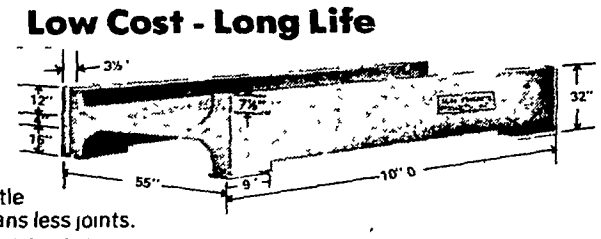
- Manure Pits with Slated Floors
- Building Walls
- Floor Panels
- Retaining Walls
- Grain & Fertilizer Storage Sheds

Available in 8', 10' and 12' deep, rectangular and round structures

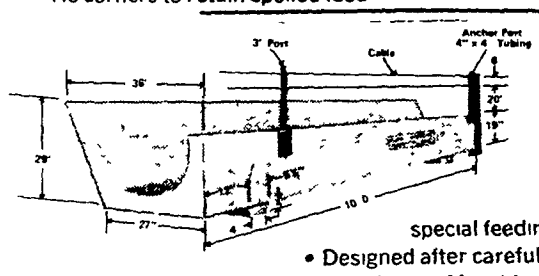
"H" and "J" TYPE FEED BUNKS

Low Cost - Long Life

"H" TYPE FEATURES:



- Large Capacity
- The right height for large and medium sized cattle
- Ten ft. length means less joints.
- Movable - for future expansion
- More than strong enough to support roof system
- Feed conveyor easily suspended from Feed Bunk roof, allowing clean sweep of trough.
- No corners to retain spoiled feed



"J" TYPE FEATURES:

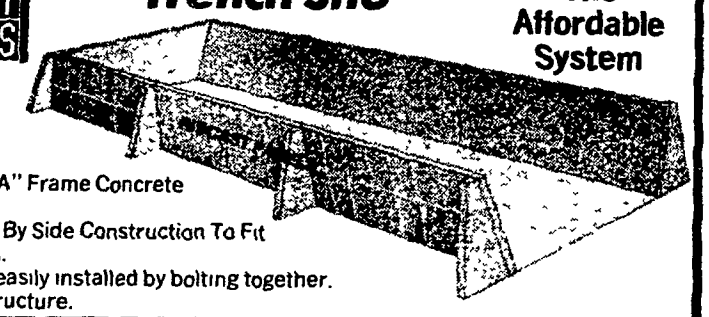
- Medium capacity for smaller herds.
- Feed your cattle with your chuck wagon No special feeding equipment required
- Designed after careful study of feeding problems
- Heavy steel reinforcing - for strength
- Vibrated Concrete - for quality
- Movable - for future expansion
- No corners to retain spoiled feed
- Long sloping trough back helps save feed

* No discount on freight charges

RIBCAST SYSTEMS

Trench Silo

The Affordable System

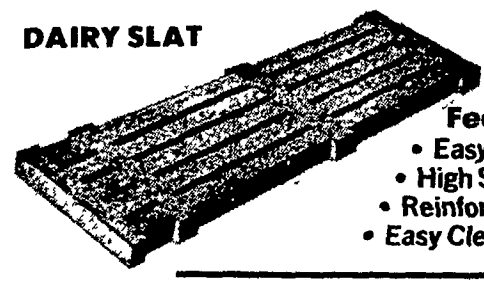


Features:
- Exclusive "A" Frame Concrete Support
- Allows Side By Side Construction To Fit Your Needs.
- Panels are easily installed by bolting together.
- Movable Structure.

CONCRETE GANG SLATS

for Dairy and Hogs

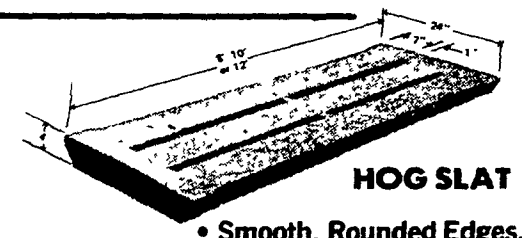
DAIRY SLAT



Slats available in gangs of *8, 10, 12 ft. lengths.*

Features:
- Easy Installation
- High Strength
- Reinforced Construction
- Easy Cleaning

Features:
- Easy Cleaning
- Center Beam
- Slight Crown.
- Uniform Spacing.
- Easy Installation
- Slats Stay Drier.
- Easy on Animals Feet
- Low Cost- Long Life



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- Smooth, Rounded Edges.
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- High Strength Reinforced Construction.

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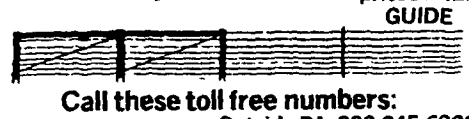
Kencove prices are hard to beat! Order ealry for discount prices FREE GUIDE



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A quality bedding material at an economical price.

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CATTLE

For Sale - 4 yr. old Angus bull, 60 cents per lbs., also bred Angus cows and feeders. Montgomery Co. 215-933-7683.

For Sale - 14 Holstein heifers due in Sept. Homeraised for our dairy, large, 3 due a little later. Leb. Co. 717-273-3679.

Nine large vaccinated Holstein Heifers due Sept. and Oct. $7,000. Phone McVeytown 717-899-6893.

1 Holstein heifer due in 4 weeks. Andrew Weber, Mohnton, Pa. 19540. 215-445-6565 Lancaster Co.

For Sale - 15 registered and grade Holstein springing heifers, Lancaster Co., 717-653-5980.

For Sale - Fresh 2 yr. old reg. Jersey, milking 40 lbs. Sire Finalist of Marlu, could be hand milked 717-359-7542.

Springing and fresh cows, our tank is overflowing, cows milking to 90 lbs., mostly 1st and 2nd calf. 717-354-4374.

For Sale - Grade ID Holstein heifers, due Sept., Schuylkill Co., 717-739-2247.

Herd 36 cows mostly 1st and 2nd calf, all AI of the Breeding some VG w/many more potential VG. 717-354-4374.

For Sale - Herd of 15 Jersey cows, 4 bred heifers, 7 open heifers and one bull 4 years old. Rudolph Spinka, RD#1 Box 164, Hartly, DE 19953.

CATTLE

LEASE QUALITY DAIRY CATTLE
Various plans available.
Call or Write:
Dairy Farm Leasing
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Service age registered Holstein bulls by Pete, Star, Astronaut, Glendale, Chief and others. Dams classified very good with records over 29,000 lbs. milk and 1195 lbs. milk fat. Stumpland Farm. 215-488-1965

Western & Canadian dairy cows for sale. As a service, we will select and deliver. Many years experience. Terms available. Also lease program available. I. Greenberg and Son, Box 249, Mt. Holly, NJ 08060. Telephone 609-267-1101

REG. HOLSTEIN SERVICE AGE BULLS
All are sired by the top A.I. bulls of the breed. Many from high record dams, all bulls are home raised w/a large selection to choose from. Call collect John Barley, Star Rock Farms 717-872-4058.

Simmental Percentage & Purebred bulls, cows, heifers & club calves by leading AI sires. Performance tested. Edward Pierce, R.D. 2, Neshanic Station, NJ 201-369-4039

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Wanted - Entire dairy herd, also, bred Holstein heifers. Will pay $25 more per head than the going price. Don't sell until you call me. Reuben Greenberg, Inc., Columbus, NJ 609-298-1021.

Buyers & Sellers of Livestock -- Be sure to check the advertisements for cattle in the Lancaster Farming. You'll get results! 717-394-3047 or 717-626-1164.

ATTENTION: CATTLE FEEDERS:
Call me to provide your feeder cattle order buying service
Also have possum belly trailers & 24' straight truck for custom hauling
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FOR LEASE
Will lease to good farmers 1st calf heifers w/option to buy.
Write: Sunrise Farms
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38 AI heifers, extra good size, 1200-1400 lbs, start to freshen Aug. 10, most will freshen by Sept. 10, very good type 717-354-4374.

CATTLE

Registered Holstein bulls, 1 year old and younger. Out of dams with records to records up to 28,000 milk and up to 1100 fat. Stump Acres 717-792-3216 York County.

ATTENTION DAIRYMEN - ALWAYS AVAILABLE
Large selection of high producing registered and grade Holstein first calf heifers and cows
Terms: Cash or short term credit. Also, our very popular lease plan.
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Wanted - Herd of dairy cows or heifers, 301-358-0412.

For Sale - Fresh Holstein heifers, Registered and Grades, due now. 717-263-9091.

Large 3 yr. old springing Holstein heifers, interstate papers, Clarks, 1701 Grafton Shop, Forest Hill, MD. 301-838-3225 Sam or Jane.

FOR SALE
10 large Holstein heifers due within 6 weeks, $800 each or will trade on open heifers, 215-593-5665.

5 reg. bulls for sale, with milk records from 15,283 to 27,263, 1060F, also 1 springing grade heifer. 215-593-5934.

Purebred Angus cows with calves, rebred to popular bulls. York Co. 717-229-2475.

For Sale - 2 yearling 7/8th Simmental bulls, $1095 each, excellent for cross breeding, 717-483-6475.

For Sale - One purebred Guernsey service age bull. 301-857-5064.

For Sale - Two Grade Holstein heifers, ready, two bred out of good dams. 717-653-5630.

Cattle, Angus cows with calves, heifers and 600 lb. steers, Balto. Co., MD, 301-357-8689.

Registered polled Herefords, young cows, some bred, some with calves, will deliver, $650-$750, 215-756-6011.

For Sale - Herd of 18 Holstein cows, 9 are registered 5 heifers to freshen from now to fall, 18 younger heifers sire of heifers is Elevation, some can be registered, Henry Byler, Route 2, Box 328D, Dover, DE 19901.

Reg. young Jersey bull, sire: Quicksilvers Magic of Ogston. Dam: 17000+, $450. Columbia Co. 717-784-9458.

Two Jersey Holstein heifers. One freshened, one 3/4 Jersey heifer calf. 717-836-1171.

Herd of 51 top quality Holstein dairy cows, 1/3 reg., DHIA records for 1980- 17045M, 621F. 1981-16,042M, 571F. 1982-15,822M, 543F. 8 bred heifers and 12 yearlings. 717-935-5375.

Family cow Holstein just freshened 4 yrs. old $600 to good home, hand milked. York Co. 717-432-5106.

CATTLE

Five good quality heifers, due Aug. 1-15. Benuel Fisher, 3 miles south of New Holland on Peters Road.

For Sale - 2 reg. Holstein 2 yr. olds, both fresh and milking well, $1900 for the pair. 215-869-3502 after 6 PM. Chester Co.

For Sale - 2 registered Holstein service age bulls; one- dam Very Good over 30,000 lbs. milk, 1000 fat, sire Cinnamon plus 1679 milk, plus 46 fat. Other dam over 28,500 milk and over 1000 fat, sire Tradition plus 2354 milk, Rich-Lou Farms, RD 2 Martinsburg, PA, 814-793-3672.

For Sale - large springing purebred and grade Holstein heifers. 717-665-4743.

For Sale - 2 reg. Holstein yearling heifers, sired by Acklee Chief Moneymaker and Persuader, good pedigrees and well grown, $1500 for the pair. 215-869-3502 after 6 PM.

For Sale - 5 registered black Angus-Wye and Ideal breeding. First calves at + plus years. These cows were top selections to be a foundation herd. However, must sell. 4 heifers, calves and 1 bull. All April by a Continental bull. One heifer is a real show prospect. This stock is an excellent condition, make offer, 215-326-0193, 327-4038.

For Sale - 36 Holsteins, mostly a young herd, sired by Sire Power, including Jet Stream, Trump, Mag. Chief Red; also herd of Holstein heifers, 6 mo. to breeding age, all Sire Power including Spirit, Marcus Neil, Legacy, King, 717-362-9096.

Three Holstein cows carrying top ABS calves for sale, bred to Jason Kishco Clumbus one mixed cow bred to Jersey, three over 22,000 one over 18,000, 215-869-9542.

For Sale - 20 reg. Holsteins, take your pick from 40 cows. York Co. 717-862-3741.

Nice grade Holstein heifer, first calf heifer, just freshened, $700. 717-665-3586.

3 reg. Holstein heifers, due Sept., dams with records to 22000M. 717-626-5296.

FOR SALE
Purebred Angus Breeding Stock
Cows - Heifers - Pairs
Anne-Ellson Farms
Myerstown, PA
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ATTENTION VEAL FARMERS!
We buy top quality veal calves
Marx Brothers Meats, Inc.
Box 345, 776 Broad Street
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All trucking paid by packer from Lancaster and New Holland areas.

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Family Herd of 115 Holstein cows. Good Size and Nice Udders. 16,324M and 576 Fat w/3.7 test average. 75% milking herd 2 and 3 yr. olds.

Artificial breeding since 1949. Some Registered, majority Grade. 17 bred heifers for early Fall, 35 open heifers for base breeding, 21 yearlings and 30 calves. Total of 218 head. Most cattle bred w/Popular Triple plus sires. Herd on test 14 years.

Sires chosen through corrective breeding program w/the Holstein Association and AAA. $4180 spent on breeding program last year.

Excellent base herd w/year-round freshening dates. Herd cash flow $240,000 last year.

Herd priced at $140,000 or $642.20 per head.

All records up to date.

Breeding Wheel and Apollo, SX34 breeding tank w/$2600 of semen inventory included in price. All cattle brucellosis vaccinated for out of state transport.

Call 727-653-1625 for other information or appointment.

Closed herd for past 6 years.

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Hereford Herd Dispersal
By Private Treaty
250 HEAD (all or in part)
Including:

Some Simmental/Hereford crosses and some registered cows. All pasture exposed to purebred or fullblood Simmental Bulls to calve in spring of 1984. Total Herd Immunization Program includes: B.V.D., I.B.R., PI, Leptospirosis, Vibrio and E. Coli Scours. Also TB and Brucella tested in 1982. Complete herd records (calving, health, purebred registry, etc.) are available. Also be be sold: Some heifer calves.

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RED, WHITE & BLUE SALE
1st Saturday in October
BLACK EYED SUSAN SALE
1st Saturday in April

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32 bred cows,
32 calves, 1 bull
Rising Sun, Maryland
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201-832-5324
201-832-7944

SIMMENTAL
Performance tested bull. Can be seen in the vicinity of the AG PROGRESS DAYS Event. He is currently at the PENN STATE RESEARCH HERD Facility where he was used this past breeding season. Please contact the owner:
Robert W. Simpson
RD 1 Box 273
Millerstown, PA 17062

42 Registered Holstein heifers due this Fall. All are vaccinated. 16 due in August. There are daughters of ELEVATION, SEXATION, CONDUCTOR, CREEK, VALIANT, PETE and others. Service sires represented include CHAIRMAN, WILLOW, VALIANT, KINGSTEAD MACHO MAN, MARVEX.
Lloyd C. Potter,
Kingsley, Pa.
Susquehanna Co.
717-289-4337

HORSES & MULES

Standard Bred stud service, stands 16-2 dark color. With white markings. Melvin Stoltzfus, P.O. Box 22, Talmage, Pa. 17580

Reg. Morgan stud service. Good temperment, 15 hands. Joseph Esh, 2151 Forry Road, Lancaster, PA 17601.

Wanted - Courting wagon for 2 or 4 passengers, horse any age but not afraid of auto traffic. 614 Yale Rd., Cynwyd, PA 19004 or call 215-667-5329.

Meadow Brook carts, horse and pony carts, custom built. John M. Stoltzfus, Box 280, RD#2 Narvon, Pa. 17555, 8 miles east Intercourse on Blank Road.

Flashy grey thoroughbred gelding, 15.3 hands, 6 years old, nice Children's Hunter prospect, good ribbons over fences, $2800, call 717-945-5254 after 5 PM.

For Sale - 2 Percheron Geldings broke to all farm machinery, 2 and 3 yrs. old. Will be big. Elmer D. Stoltzfus, Box 278A Mill Hall, RD1, Pa. 17751.

Registered Morgan gelding, 15.1, 5 years, will trade for work type mare for breeding, Berks Co. 215-689-4124.

For Sale - 8 year old bred horse. Top brood mare or pleasure horse not for driving, Omar S. Fisher, 434 Newport Road, Ronks, PA 17572.

SHEEP & GOATS

2 castrated buck goats for pets, $30 each, 717-872-4068 after 4PM or 717-569-2641 8 to 4 extension 29.

Registered Dorset and crossbred ewes, breeding records kept on each, 717-684-8898.

Reg. Hampshire ram, exc. potential, 2 yrs. old. 717-394-9765.

300 Finn Dorset cross ewes, all ages, bred for 200%+ lamb crop. Now lambing February, June and October. 100 with June lambs, 100 bred for October lambing to be sold as a unit $80 per ewe or will trade for Holstein or proven Swiss cattle. Maine 207-487-6925.

Two registered Suffolk rams, Dauphin Co., 717-692-2483.

2 black and one white Corriedale ram, spinning quality, 3½ months, call Patricia Walters, 717-786-4151 after Aug. 28, the best time between 4:30 and 6:30 PM.

Purebred Nubian buck, excellent bloodlines, gentle, $300, 215-493-8576 after 6 PM.

For Sale - Suffolks - veg. and well-bred, 1 yearling ewe bred for fall lambing, $225; 2 twin two yr. old open, $200 ea. Three for $550. Mercer Co., NJ. 609-737-1901.

For Sale - Suffolk and white face sheep. Breeding age, reasonably priced, call 7 to 9 PM, 215-775-0401.

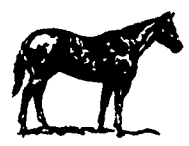
For Sale - Good producing Reg. Dorsets: 5 bred for fall lambing $125-$145 ea.; 1 ewe lamb ready to breed, $135; 1 six yr. old rams, $125. Group for $850. Mercer Co., NJ 609-737-1901.

1 reg. Hampshire ram. 717-665-5960.

HORSES & MULES

For Sale - 9 yr. old reg. Quarter Horse, very gentle. 717-752-4077.

JEN-AIR ACRES



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SPECIAL

One load of Kentucky Saddlebred Horses
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Will be sold at New Holland Sales Stables
on Monday, Aug. 29
12:00

Horses Will Be Hitched At Farm
All day Aug. 25 and Aug. 26
for interested buyers.
Don will hitch horses at 1 P.M. day of sale at New Holland Sales Stables

Farm is located 1 mile north of Bareville on N. Hershey Ave.

J.Z. NOLT
R.D. 1 Leola, Pa. 17540
717-656-9711

For Sale - Hampshire and Berkshire boars, open gilts, Berkshire-Hampshire crosses, pure Berkshire open gilts service age. Terry Bennecoff 215-285-6582.

30-50 Duroc, Yorkshire and Spotted F-1 bred gilts for sale. Due every month. Also boars and open gilts. Same breeding as Top Pen of Yorkshires over all breeds as at Penn State 1982 and Top Pen Full American blood Durocs over all breeds '81 tests. All boars gaining over 2 lbs a day. Also feeder pigs at times. Brucellosis free herd 26, and Pseudorabies free 18. Calvin H. Lazarus and Sons, 4290 Bridge Street, Whitehall PA 18052, 215-799-3375 or 3831

For Sale - Crossbred Landrace Yorkshire gilts, crossbred litters maintain a 9 plus weaning average, over 500 litters annually. Boars- purebred Duroc and Landrace and Hampshire-Duoc. Foundation stock is bred artificially from top bloodlines in the country. Dutch Valley Farm, RD 5, Manheim, PA 17545. Call Mark, 717-665-6220 or John 717-665-2588.

DUROC BOARS and gilts, production tested, certified meat type show winning stock. Bloodlines of the best in the U.S. Par-Kay Farm, Park F. Thomas, Beavertown, Pa. Phone 717-658-6544.

For Sale - Duroc boars & gilts. Sweigard Durocs, R.D. 3, Box 639, Halifax, Pa 717-896-3365.

If you have swine to sell or buy - check our swine column. It is read weekly by thousands. 717-394-3047 or 717-626-1164.

YORKSHIRE AND LANDRACE boars and gilts of all ages. Pseudorabies negative tested boars for sale at all times. Production tested, certified meat tested, Show winners with many carcass champions. Daily drive-in and drive-out service. Reno H. Thomas, Beavertown, PA 17813. 717-658-5821.

HORSES & MULES

For Sale - Black saddlebred driving or riding horse, lots of style, family broke 8 yrs. old. 215-273-2120.

Pair black mules, works anywhere. 215-445-5796.

For Sale - Appaloosa, 10 years old, good riding horse; 1 paint pony, 13 hands, very good child horse, 717-442-8067.

For Sale - Belgian 4 horse team, complete w/harness. 717-656-8843.

Beautiful registered Haflinger horses, also beautiful quarter horse, flashy registered Arabian Stallion, 814-445-6358.

Yorkshire and Hampshire service age boars, also 85 open gilts ready to breed, John Strawbridge, 301-996-2022.

Yorkshire bred gilts and breeding age boars, Miller's Yorkshire Farm, RD 1, Box 1366, Spring Grove, PA 17362, 717-225-1926.

For Sale - Chester White and Spotted service aged boars and open gilts, also a few bred gilts, James Parlett, Airville, PA 17302, 717-862-3610.

For Sale - Duroc Boars, ready for service in late August, Brucellosis and Pseudorabies free herd, delivery available, Rick Pfautz, RD 1, Stevens PA 17578, 215-267-3739.

Service age reg. Yorkshire boars, bred gilts, due August from healthy productive herd. Delivery available. Charles Hall, Box 263, Julian, PA 16844 Centre Co. 814-355-1647.

For Sale - Purebred Yorkshire boars, bred gilts and open gilts, carcass championship bloodlines, Willow Glen Farm, R1 Box 221 Strasburg, PA. 17579, 717-786-2562.

Yorkshire Service Boars, Brucellosis and Pseudorabies free herd. Will deliver. Red Run Farm, RD#2, East Berlin, Pa. 17316 717-292-4634.

For Sale - Duroc and Chester White service age boars, brucellosis and pseudorabies free herd. Litter mates to 4-H champion market hogs, good on feet and legs. Delivery available. Reasonable prices. Roger Bankert 717-632-4722.

For Sale - Yorkshire Service Boars, Elwood E. Houser, 2150 Quentin Rd., Lebanon, PA 17042. 717-272-5798 or 273-2921

For Sale - Hampshire Service age boars, Hamp and crossbred open gilts, Hamp/York gilts bred to Duroc due after Oct. 1st. Also Hamp/York feeder pigs. Pseudorabies free herd #13. Brucellosis free herd #108. Charles Bomgardner, Rt. 3, Annville, PA 17003. 717-867-2890.

3 purebred Yorkshire boars, healthy and productive stock, breeding age, $150 each, 717-799-5505.

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Duroc, Spot, Crossbred Gilts
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Top Quality, Uniform, Vet Inspected, Farm Fresh, Delivered On Approval. Also 100 lb. shoats for garbage feeders.
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We have bought 30 of Issacs profit builders best sows. We will be continuing to provide boars and gilts that will build profit in your herd.
15 BOARS FOR SALE
Yorkshire and Yorkcross Boars. Pseudorabies and Brucellosis tested negative.
WE GUARANTEE WHAT WE SELL!
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DELAWARE STATE FARIGROUNDS
DELAWARE TEST STATION BOARS
Pen Includes Top indexing Boar over all breeds.
In 1982 had top indexing and top pen Yorkshire at Penn State. Top American bred pen Duroc in 1981.

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Pete semen for sale, 20 units @ $125. Purchased from Select Sires. 215-869-3502 after 6 PM.

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Commercial & Purebred Swine
Quality Boars and Gilts at Low Prices
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Low Prices on Feeder Pigs.
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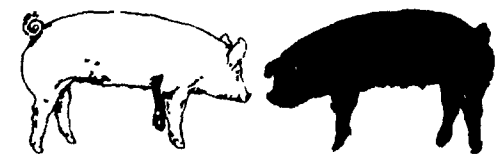
- Tamworth & Duroc Gilts Breeding Age $200 each

Free delivery in all U.S. and Canada
Call Collect 304-274-2971
Box 346 Williamsport, MD 21795



WED., AUG. 24 - 6:00 P.M.
PA STATE BOAR TEST SALE

Yorkshire Sire "Hustle 1-10"

#	ADG	B.F.	LOIN	INDEX
25	2.22	.64	4.58	123
26	2.05	.83	5.62	102
27	1.96	.75	5.30	100

Feed efficiency 2.53. This is a very correct pen of boars. Highest pen on underline score.

Duroc Sire "Motor 24-3"

#	ADG	B.F.	LOIN	INDEX
41	2.34	.84	4.95	107
42	2.18	.73	5.88	105
43	2.16	.82	5.62	97
44	2.04	.73	5.80	97

Feed efficiency 2.66. Super sound set of boars. Probably best pen of Durocs on test.

Our trucks will offer free delivery on our boars enroute from Pa. State. Also delivery available for other boars.

Brucellosis & Pseudorabies free herds.

Call or Write

Yorkshires	Landrace	Durocs
Leon L. Arnold	Lawrence Arnold	
Rd. 7 Box 705	RD 1309,	
Lebanon, PA	Womelsdorf, PA	
717-273-5880	717-272-9827	
Lebanon Co.	717-933-8153	
	Berks Co.	

SWINE

For Sale - 20 sows and gilts close to farrowing $185. Berks Co., 215-488-1337.

SWINE

For Sale - registered spotted boars, born January and February, 717-264-4320.

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HOG EQUIPMENT & SUPPLIES

SPECIALIZING IN UP-TO-DATE DESIGN & QUALITY CONSTRUCTION OF HOG CONFINEMENT SYSTEMS.

We also manufacture Confinement Equipment and handle a full line of products for today's swine industry, including automated ventilation, feed handling and manure handling systems.

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WE SPECIALIZE IN THE LATEST AND MOST MODERN DESIGN IN BUILDINGS AND EQUIPMENT FOR HOG CONFINEMENT
★ GESTATION ★ FARROWING
★ NURSERY ★ GROWER ★ FINISHER
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Agstar Woven Wire Farrowing Crates (Raised), Complete Feeders and Waterers, Like New, $350 each. John S. Stoltzfus, R.D. 1, Lurkwood, PA 17536, on Mill Rd.

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ATTENTION INDEPENDENT PRODUCERS!

6,000 Sex-Sal Moulting Stock Available 2nd Week of Sept. from Penna's leading brown egg producer.

We will buy back your brown egg production.

RED WING FARMS
RD 1, Fleetwood, Pa.
215-944-0401

POULTRY & SUPPLIES

BABY CHICKS - Hubbard Leghorns, Golden Comets, Cornish Giants, Barred Rock, Reds and other breeds. Also turkeys, ducks, geese, guineas, and game birds. CASE HATCHERY, 79L Brodbecks, Pa. 17329, 717-235-2050

Farmer Automatic 4 deck cage systems, for pullets & layers. No pits needed in building. Reynolds & Yellott, 12800 Gores Mill Rd., Reisterstown, MD 21136. 301-833-1840

Guinea Keets .70 each, Tim Lichtenwalner, Macungie, PA, 215-965-6817.

1500 started XL pullets, 20 wks. of age Aug. 31. 215-679-8772 after 5 PM.

Mix Mill 40 ton feed factory. One ton Kelly duplex feed mixer. Two big Dutchman Champion floor feeders for layers. Four manure pit cleaners with Big Dutchman drive units. 814-257-8278.

For Sale - 47,000 Hyline W36 layers, 63 week production 68%, good birds to force mold and Big Dutchman feed trough. Phone 717-354-0379.

Wanted Double Yolk Egg

Will pay premium price

Lancaster County
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Sell direct to us for cash.

* Fowl
* Pigeons
* Bantams
* Pullets
* Capons
* Rabbits
* Guineas
* Chuckers
* Turkeys
* Lambs
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JACK MINTZ POULTRY
215-267-4784

POULTRY & SUPPLIES

STARTED PULLETS
20 WEEKS
Leghorn 7000-9/1
Sex Sal 5000-9/1
MOYER'S CHICKS, INC.
266 E. Paletown Road
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USED POULTRY EQUIPMENT

- 6 Big Dutchman Wide Chain-Drive Units
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White Muscovy Ducklings & White Embden Goslings by the hundreds or thousands.

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Red Heavy Fowl, Large and Small Flocks
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FEED & SEED

For Sale - Rye for cover crop, certified seed last year. 215-286-9343.

For Sale - Cleaned seed rye, $4.50/bu. 215-926-1520.

For Sale - cleaned Tetrapektus rye, cleaned and treated Titus wheat (from certified seeds) York Co. 717-244-5001, 244-5003.

Seed Speltz. Christian G. Esh, 364 Osceola Mill Road, Gordonville, PA 17529 Lanc. Co.

Wanted - soybeans, Lancaster Co. 717-786-3435.

Early cut orchard grass hay, approx. 15 ton, $60 ton. 717-759-8567.

Corn silage for sale, can deliver, 717-898-0675.

For Sale - rye seed, $4.50 bu. Lancaster Co. 215-445-6005.

Sweet corn cannery silage available, equal to corn silage for protein and energy, testing 69% T.D.N., a good forage replacement, will deliver to your farm, 717-872-4058.

New crop corn available for silage, fully matured with good grain content, will deliver to your farm, 717-872-4058.

All kinds of grain cleaning done on your farm. Reasonable rates. 717-225-1845 Fansler Seed Cleaning.

For Sale - high moisture barley can mix with corn, Berks Co., 215-562-4133.

Small grain rye seed, will store until needed by placing order and small deposit. Discount for large order, $4.50 bu. Lehigh Co. 215-395-1823, 395-2927.

Rye seed, uncleaned, $4.25 per bushel, Lancaster Co., 717-653-5923.

For Sale - Timothy and different types mixed hay, delivered in 6 ton loads. Also straw available. 717-776-7888.

For Sale - 2500 bu. rye, field run, very clean, easy loading. York Co. 717-225-1959.

Rye-$4.25, Oats-$2.00, rye straw-$60, oats-$55. Hershey 717-534-1253.

Cleaned rye seed for sale, $6.50 per bushel, delivery extra. Call 717-464-2440.

FEED & SEED

For Sale - Rye, 215-489-7831.

Wanted - Ear corn, good quality only. Will pickup at your farm. Ken Miko, RD 3, Schuylkill Haven, Pa. 717-739-4586.

For Sale - Oyster shells, Contact Nelson Weaver & Son, Inc., Lititz, PA 717-626-8538

ProLasse 8%
All Natural Molasses Base Liquid Protein. Make sweet feed with any PTO mixer. Wholesale, retail from manufacturer, dealer inquiries invited. Call collect. 301-343-0343

Will buy moldy grain, 301-833-1847.

Corn silage for sale in Southern Lancaster County. Best offer. 717-284-4281.

Nice, bright wheat straw. Stump Acres. 717-792-3216.

New hay and straw for sale, $1.00 per bale. Call 717-642-5180.

For Sale - Rye seed not cleaned $5 per bushel, Cumberland Co., 717-776-6143.

For Sale - Rye seed, bagged, uncleaned. Lancaster County. Call after 6 717-786-3435.

Mixed hay for sale, 1.50 per bale, 609-896-1237.

200 bushel rye for sale, cleaned, treated and bagged, $5.50/bu., 215-857-9216.

For Sale - Rye seed. Berks Co. 717-933-5240 or 717-865-4395.

Rye seed for sale, bulk, bagged and/or cleaned. Harford Co. 301-557-9311.

Corn silage for sale in Berks Co. 717-665-7734.

For Sale - small grain rye for cover crop, $4.25 bu. bulk, Cumberland Co. 717-766-2954, 766-9812.

Rye seed for sale, $4.50 bu. Berks Co. 215-488-7392 after 6 PM.

For Sale - Rye, cleaned and packed in bushel paper bags, Schuylkill Co., 717-739-2247.

For Sale - Rye, $3.75 per bu. Your bags or bulk. Col. County. 717-458-6742.

WANTED
Hay & Straw
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Will pickup
JAMES G. KREIDER
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We need your hay.
Prompt Payment
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10 or 20 ton loads

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3000 tons storage

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Will Deliver
LUKE H. KURTZ
215-944-0263
Berks Co.

FEED & SEED

For Sale - Tyler wheat, last year certified, cleaned and treated, $5.00/bushel, Franklin Co. 717-532-3989.

FEED & SEED

For Sale - corn silage by the ton. Wanted- Holstein heifers to feed, 6 mo.- freshening. Call for more info. 717-367-3111 Elizabethtown area.

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CONTRACT OR SPOT PURCHASE
480,000 bu. Storage capacity
Fast unloading, digital printout scales
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Located along Rt. 10 between Russelville & Oxford
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For Sale - Approximately 100 ton corn silage, 717-626-1763, Lancaster Co.

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For Sale - Chicken manure, will deliver, 717-768-8278

Dry fertilizer attachments for Holland transplanter $525 for both, new cond., 717-587-4839

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100% thru 100 mesh 40% CaO, 77% CaCO3 3% Potash, USDA tested and proven. ENP=75 Only $4.40 per ton F.O.B.
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Granulated, dust Free 54% CaO; 96% CaCO; university tested and proven. $10.00 per ton F.O.B. Baltimore or New Jersey.

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1000 bu. load
@ $80 per load
Poultry Manure Also Available
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after 6 P.M.

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Feed Oats
Corn Silage — Ready Now New or From Silo
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FOR SALE.....
SAWDUST
Dry - Fresh Cut - Cured
SHAVINGS
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SAWDUST AND SHAVINGS MIXED
Discount given for Quantity
TAN BARK
Fresh or Cured

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Ronald Bowersox
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CHICKEN MANURE
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Delivered in trailer or straight truck lots. Covering MD, DE, NJ and PA.
Test analysis show analysis up to 33-69-32.
"Better Than Fertilizer"
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ASCS GRAIN BIG BUILDINGS
PLAN YOUR GRAIN PRICE! STORE NOW! (Smart Move)
SELL WHEN THE PRICE IS RIGHT!
BUY NOW FOR FAST DELIVERY!
Sale Ends August 31
PRICES FOB Factory
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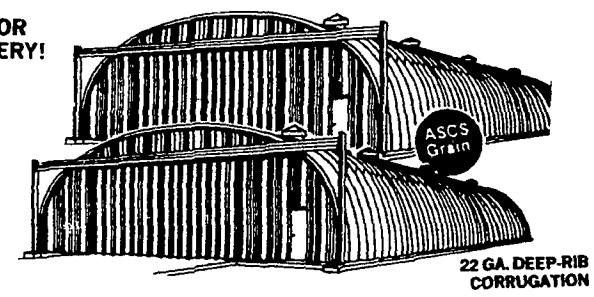

22 GA. DEEP-RIB CORRUGATION

BIG MODIFIED 'U'
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COALE'S STEEL BUILDING SALES
301-452-5802 304-845-8243

QUANTITY AVAILABLE	GAUGE	BUILDING TYPE	BUILDING SIZE	LOADING	RETAIL PRICE	SALE PRICE
8	All 22	KEYWAY	40x60x16	32/36	$ 9,415	$ 5,488
18	All 22	BASEPLATE	40x60x16	24/31	9,815	5,936
8	All 22	KEYWAY	40x120x16	32/26	15,620	9,086
10	All 22	BASEPLATE	40x120x16	24/31	16,320	9,813
8	All 22	KEYWAY	50x90x18	25/17	15,661	9,160
8	All 22	BASEPLATE	50x90x18	21/21	16,211	9,754
6	All 22	KEYWAY	50x150x18	25/17	23,326	12,404
6	All 22	BASEPLATE	50x150x18	21/21	24,076	13,279
2	All 22	BASEPLATE	50x200x18	21/21	30,485	15,999
2	20/22/20	KEYWAY	60x100x20		23,018	11,666
4	20/20/20	BASEPLATE	60x100x20		23,668	12,316
2	20/22/20	KEYWAY	60x180x20		36,694	17,359
4	20/22/20	BASEPLATE	60x180x20		37,744	18,409
2	20/22/20	KEYWAY	60x200x20		40,065	18,836
4	20/22/20	BASEPLATE	60x200x20		41,365	19,986

DOUBLE SLIDING DOORS

20x13	$ 994
20x14	1,119
24x14	1,250
27x14	1,430
31x14	1,634

MUSHROOM SOIL FOR GARDEN MULCH
900 bu. - $90
450 bu. - $70
225 bu. - $50

ALSO POULTRY MANURE IN TRAILER LOAD LOTS AND SHRUBBERY TAN BARK MULCH IN TRAILER LOAD LOTS OR PICK-UP LOADS

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Grain Receiving in Lancaster, York, Palmyra
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USE POULTRY MANURE AND SAVE FERTILIZER DOLLARS
- Fertilize before small grain seeding
- Disc or plow under on this year's corn ground.
- Top dress pasture land.
- Add organic matter to soil.
- Inexpensive source of nitrogen.

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Delivered in 20-22 Ton Trailer Load Lots

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Choice Timothy & Alfalfa, Timothy & Clover and Timothy Hay
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BUYING EAR CORN

Good Quality Only
Will pickup at your farm.

KENNETH MIKO
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MULCH HAY WANTED

Will Pick Up
Cash Paid Daily
At Scales

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500 TONS OF CORN SILAGE
Can Arrange Transportation
Truck Scales
Available At Farm

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MARTIN GRAIN
RD 1, Mt. Joy, PA
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Picked up at your farm or delivered to Manheim.

JAMES E. NOLL
RD 2, Manheim, PA
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FRUITS AND VEGETABLES

Tew veg. washer w/5' table, $1500. Corn crates, 50 cents each. New, waxed cabbage cartons, 50 cents each. 717-993-6780

For Sale Bartlett pears, pick your own $7.00 bushel or we pick. Also Summer Ambo Apples, six miles south of Gettysburg, 717-334-5260.

PLANTS

Orders taken for owcrown cauliflower, market prize cabbage, broccoli, endive, chinese cabbage, all plants. Paul Breneman, R.D. 4, Lititz, PA 17543. 717-859-1662.

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"Full Service Warehouse"
Packaging Supplies for -
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- Fruit Growers
- Roadside Stands
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RD 3 Box 340
Mt. Joy, PA 17552
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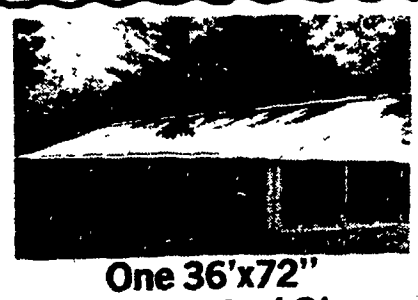

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Authorized Dealer For
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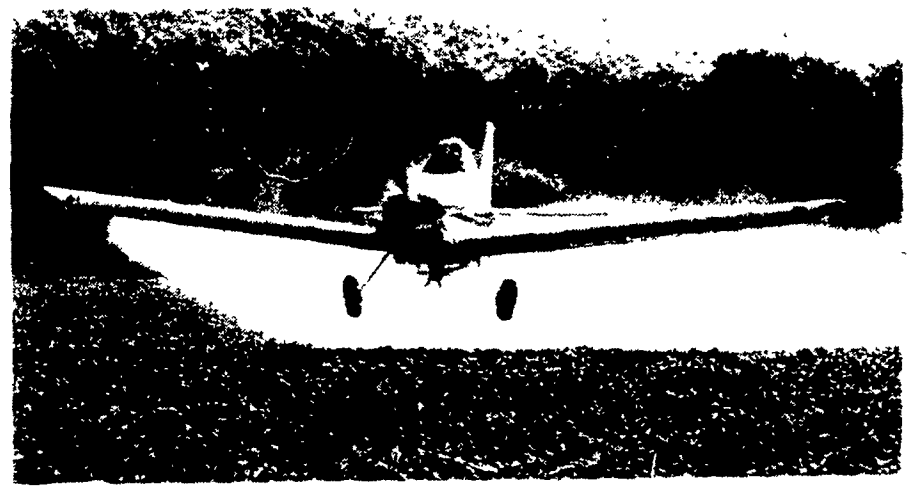

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AERIAL COVER CROP SEEDING
CALL
JOHN D. TALLMAN
RD 3, Box 166 Dauphin, PA. 17018
Phone: 717-647-2623 or Home (Evenings) 717-921-2476

For Sale - Strawberries, $1.25 a qt. 537 Hackman Rd., Brunnerville, Pa. 717-626-2658 or 626-6475.

SERVICES OFFERED

Soybean roasting on your farm. Dale L. Schnupp. RD 6 Lebanon, PA 17042. 717-865-6611

Bradford's Cattle Hoof Trimming. 301-452-8574 or 301-838-5105 (ans. ser.)

Will repoint old stone buildings, 717-354-7835 or 717-738-1742.

Brubaker's Liquid manure hauling. We pump it, we spread it. Myerstown, PA 717-933-4283.

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HI-VELOCITY WATER JETTING
Problem Drains - From Four (4) Inch Sanitary Sewers to Thirty Six (36) Inch Storm Drains Can Be Cleaned Like New.
Long Drains - Drains and Pipes Up to 400 Feet In Length Can Be Cleaned. Through A Single Opening If Necessary.
For Information On Prices And Availability Call Anytime
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J.C. Ehrlich Co., Inc. Termite, Pest, Rodent and Smoke control. Lawn and shrubbery spraying. Free estimates. 1278 Loop Road, Lancaster, Pa. Phone 717-397-3722.

Fall Special
Have your pit or lagoon pumped for only $25 per hour from Aug. 20 to Sept. 20
Will travel.
No job too big, none too small.
Your service our business
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Building & Remodeling
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No Job Too Small.
Low rates.
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- Equipment
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Gap, PA 17527
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Custom Combining-will travel NJ, PA, MD, DE. Specialize in soybeans with JD flex head equipment. 2 combines, from $17 per acre. Timely and have references. Combining is our business, not a sideline. 215-756-4341.

Silo filling, 3 row narrow and cornpicking, 4 row narrow. Both self-propelled. Call for price and times available. Elizabethtown, Bainbridge, and Maytown areas. 717-367-3111.

Custom Ag-Bagging. Call Rodger Good 717-927-9483 or 717-862-3113.

CUSTOM WORK

Custom Ag-Bagging, Cumberland Co., 717-766-2954 or 766-9812.

Custom Work-Call Balmer Bros. Round baling, silo filling, corn and haylage. 717-665-6908.

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Screw Press Machine
8'x95' & 8'x150' Bags
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High Unloading Capacity
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Lititz, Pa.

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Have rollback truck and will travel to your farm
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Discounts for more than one bag.

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Most Bags $800
Will Travel
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CUSTOM SILOBAGGING
Two Size Bags to fit your needs
95'...150'
Call Today
717-665-7471
Professional Serivce: We operate the press to save you time and money
Charvin Farm
(Elstonville)
Dervin Clair Hart
RD 4, Manheim, PA 17545

HELP WANTED

Working herdsperson wanted with manager potential for dairy farm. Salary, house and insurance provided, three good references required. 703-788-4930 after 8 PM.

Have dairy farm looking for a partner willing to work. Phone 814-258-7387.

Experienced couple to milk in parlor and oversee calf raising, 301-557-7727.

Wanted - Married couple to help work dairy, some field work. Payed salary, house, utilities, and Blue Cross Blue Shield. Write or call after 8 p.m.
Mat-Mar Farms Inc.
RD#1 Box 67A
Leesport, PA 19533
215-926-1428

Attention Dairyman-is drought going to catch you short of feed? Am looking for dairyman with cows, I have plenty of feed to put in my barn on shares to boost my cash flow. Write PO Box 366 D-72, c/o Lancaster Farming, Lititz, PA 17543.

Person to help with dairy farm work after school and every other weekend, 301-557-7727.

Attention Dairymen-looking for person interested in going on shares. Write PO Box 366 D-73, c/o Lancaster Farming, Lititz, PA 17543.

Young married person for dairy farm, Northern MD, farm experience necessary. Check this one out! 301-452-8603.

HELP WANTED

Farm manager assistant, house provided in Sussex NJ, for full or parttime individual, experience in crop farming, machinery repairs and property maintenance, send resume to Lancaster Farming, PO Box 366 J-285, Lititz, PA 17543

Help wanted for registered Holstein farm in Western Mass. New barn, modern facilities, housing available, must be experienced, aggressive, self-motivating person, will consider all applicants, call for interview or send resume. Sodom Mt. Farm, Box 320, Southwick, Mass. 01077, 413-569-0140.

Caretaker needed to work and live on beef farm and packing plant. Must have experience operating, repairing and maintaining equipment. Modern home and all benefits included. Prefer middle-aged couple w/no children. Baum's Meat Packing, Box 472, Lansdale, PA 19446. 215-855-4742.

Experienced tractor driver to clean manure from chicken houses on poultry farm. Living quarters available. Write to Goldstein Farm, RD Box 56, Swan Lake, NY 12783 or 914-583-6369 after 6 PM.

Herdsperson wanted for 70 cow registered Holstein dairy herd, near Princeton, NJ, 609-896-1237.

Milking team wanted, experience preferred. House available. 215-297-5904.

Farm help wanted - Field work and milking. Experience desired. Housing and other benefits. 215-256-6831.

Person wanted to drive feed truck and do mill work in New Holland area. 717-354-0301.

Part-time help, every other weekend, milking and caring for cattle. Must be dependable. 717-766-3180.

Farm position open for experienced operator, grain and beef farm w/related duties including operating all types of farm equipment, house and utilities furnished. Send resume and write for interview. Include phone number where possible. Franklin Farms, Rt. 2, Box 668, Purcellville, VA 22132.

Exp. person needed to work full time on modern dairy farm in West Chester area. Include your experience with milking and operating farm equipment. References. Send reply to PO Box 366 A-64, c/o Lancaster Farming, Lititz, PA 17543.

HELP WANTED

Herdsperson to milk in parlor and help with general farm work, 301-557-7727.

Attention Dairymen-have farm, adequate feed and facilities-lacking dairyman and cows to make cash flow complete. Write PO Box 366 D-74, c/o Lancaster Farming, Lititz, PA 17543.

Person wanted to milk 50 cow herd and help with field work. House and utilities included. Northern Balto. Co. Call 301-329-6581.

Openings at poultry operation. 717-653-4743.

Herdsman for 90 cow herd, experienced with AI, silo unloaders and feeders and general farm machinery. Housing provided. Salary based on ability. Only qualified and serious applicants 215-347-2346 between 9 AM and 8 PM.

MANAGER WANTED
Fertilizer manufacturer in eastern PA looking for person with management experience for position in retail fertilizer business.

DESIREABLE QUALITIES INCLUDE:
Management background, understanding of pesticides and fertilizer applications, sales experience helpful, college degree desired.

Excellent benefits, opportunity for advancement, salary commensurate with experience. Send resume to Lancaster Farming, PO Box 366 D-70, Lititz, PA 17543.

FEED SALES REPRESENTATIVE NEEDED
Aggressive quality orientated feed company has immediate openings for one or more Feed Sales Representatives to assume partially established sales areas in Southeastern Pennsylvania and Northern New Jersey. Applicant must have Ag sales experience and a working knowledge of dairy and livestock business. Positions are full time with excellent salary and unlimited commission along with full range of benefits. Address all inquiries to Lancaster Farming, P.O. Box 366 D-71, Lititz, PA 17543.

FEED SALESMAN
Manufacturer seeking applicant with knowledge of dairy and beef nutrition. Degree helpful but not essential. Some sales experience preferred. Must be aggressive self-starter able to sell dealers and do resale work on farm. Good salary with excellent earnings potential for right person. Company car and other benefits. Send complete resume, references and salary requirements in first reply to Lancaster Farming, P.O. Box 366 A-59, Lititz, Pa. 17543.

SALES-AGRI BUSINESS
Northeast Territory PA, NY, MD
Feed and Grain Operations Only
Milling, Storage, and Handling Equipment
Salary, Commission, Company Car, and Fringe Benefits

Write Resume
Send to: Lancaster Farming
P.O. Box 366 D-67, Lititz, PA 17543

SILAGE EXPERTS
WE ARE NOW LOOKING FOR DYNAMIC SALES PEOPLE IN CENTRAL AND EASTERN PA. TO PROMOTE A RAPIDLY GROWING SILAGE SYSTEM
CALL
814-786-7382

AGRICULTURAL SALESPERSON
Our company markets to livestock farmers in southeastern PA and the key to the success of our product is efficiency. We prefer a person with an agricultural business background and/or excellent agricultural background. During 1982, most ag businesses experienced deep cuts and slumps. Our business volume was 125% of 1981, which in itself was an excellent year. Above average income potential, closed territory and company benefits. Confidential treatment of inquiries.
Send reply to
PO Box 366 D-75
c/o Lancaster Farming
Lititz, PA 17543

HELP WANTED

Assistant herdsman for 200 cow herd, primary responsibility will be milking, references required. 215-253-4467 after 7:00.

HELP WANTED

Wanted - young married couple, Mennonite preferred, to work on dairy farm near Dundee, NY. Work into ownership. Write Box 121, Wayne, NY 14893.

SALES POSITIONS AVAILABLE
American Breeder Service is seeking individuals for A.I. sales representatives, to work with dairy and beef operators in PA and MD.

Income potential is great as job pays commission. Ag experience helpful. Self starter, a desire to work with people and interest in managing own business a must.

Relocation a possibility.
Write To:
LANCASTER FARMING
PO Box 366 R-61
Lititz, PA 17543

Ag Bag Equipment Co. is looking for salespersons to sell farm equipment supplies. Seriously qualified only need to apply. Areas: MD, DE, NJ, Altoona and Somerset
Ag Bag Equipment Co.
717-626-7596

"WANTED"
Farmers & Agri-Business - related people to work part-time. If you are looking for something unique, we offer what is probably the finest part-time position in America which has potential leading to a full-time professional position. "We provide complete training - you supply enthusiasm, honesty and a willingness to learn. Call 717-653-9518 for an appointment.

PETS

HELP WANTED

Fulltime person for tending & milking cows. Experience good but not necessary.
717-898-2568

TERRITORY MANAGER
Background and knowledge of agriculture required. Calling and setting up established wholesale accounts.
* Excellent present volume
* Good company benefits

Write Box 366 J-281
c/o Lancaster Farming
Lititz, Pa. 17543

SITUATIONS WANTED

Experienced young Christian couple with small children interested in buying a dairy over the next years, write to Lancaster Farming, PO Box 366 J-284 Lititz, PA 17543.

Young Christian family looking to rent farmette or small farm with sow facilities or buildings that could be used for farrowing. Lancaster-Harrisburg area preferred or possible lease-purchase agreement. 717-367-2882.

Young married man seeks employment on dairy, beef, or crop farm. Experienced in milking, field work, cattle, truck driving. Have Class III license. Prefer Berks Co. Call 215-723-1863.

Entry level management trainee position desired in promotion, marketing, advertising or sales in Ag-related business. Dairy background, B.S. Business Administration, strong communications skills, believes in the work ethic. Catherine Dell, P.O. Box 407, Delaware Valley College, Doylestown, PA 18901.

PETS

SITUATIONS WANTED

College graduate with Animal Science degree specializing in horse desires position on breeding, training or equitation stable. Experience with weanings, yearlings, and riding several breeds of horses. Also have accounting/bookkeeping experience. Call 814-326-4459 after 5 PM.

Father, Son, both married, would like to operate dairy farm, Salary, lease shares. 301-521-5495.

Dependable married couple with 1 child looking for long term employment on a modern dairy or swine operation as herdsperson. No field work. Have some experience. We are looking for an employer who is willing to teach for full responsibility of the herd in the future.

Send reply to PO Box 366 D-55, c/o Lancaster Farming, Lititz, PA 17543.

BUSINESS OPPORTUNITIES

Business For Sale - Established Moving & Storage, Hauling and Leasing Co. in S.E. PA; 7600 sq. ft. warehouse plus 15 truck garage with 2 apts. 717-272-0361.

PETS

Catahoula Leopard stock dogs, great dogs for family watch dogs, dairy and hog farms, natural heelers, all ages available, guaranteed satisfaction or money back, Thorpe Farms, Newtown, PA, 215-862-2650.

AKC Labrador Retriever puppies, Chocolate or Black, top quality. Also, stud service, Chocolate or Yellow. Cumberland Co. 717-776-6505, 776-5973.

AKC Registered cocker puppies, 6 weeks old, one female $175, males $150. 215-593-5526 or 593-5044.

For Sale - AKC Collie puppies, sable and white, wormed, $85, Dauphin Co. 717-367-0326.

I need 207 pups for Tues., Aug. 23. I especially need Boston Terriers, paying $75 if marked well. There will be a $25 prize for the farmer who comes the farthest distance on Aug. 30 and sells me pups.

Attention Farmers - If you have good dogs to sell, contact me at 609-452-8903 early mornings. Let me know when they are 2 wks. old so I can take orders for them on the Greater New York market, thereby assuring you a better price when they are ready for market.

I have some nice summer JoJo caps for farmers who sell me 2 pups only.
Attention Farmers: To avoid fines, be sure you sell pups to a licensed dealer
Please dust or bathe the pups for fleas & ticks as it makes for a better sale.

JO JO THE DOG MAN
I need nice Shepherd, Collie & Terrier pups. Also - cute Peek-A-Poos, Cock-A-Poos and anything cute & shaggy.

I need good healthy, clean pups, pure & mixed breeds, to 8 weeks old. Offering extra high cash prices. Baskets of cash waiting for you! Paying up to $75 for extra cute mixed breeds.

See Me At
Root's Farmer's Market
RD 1 Manheim — Every Tuesday 5 PM - 8 PM

P.S. Please do not call Root's.

PETS

Pomeranian AKC beautiful small red male 5 months old, 215-395-4422 Lehigh Co.

For Sale - Doberman Pinscher Pups, AKC Reg., big boned males, shots, wormed, ready to go, $150 neg. Call 717-627-0847 after five.

For Sale - AKC Blue eyed Siberian Husky pups, $50. 215-445-4267.

WANTED TO BUY
PUPPIES
in litter lots for resale in my pet shop.
Purebred & Mixed breeds needed.
Cash paid.
Will pickup.
Call
Charles Hackett
Mon., Tues., Fri.
12 Noon to 6 P.M.
1-215-229-0449

BORDER COLLIES
For Sale
Puppies, Started Dogs & Trained Dogs
These dogs are bred from the best bloodlines in Scotland.
Puppies: from $50 - $200
Started & Trained Dogs: price depends on quality
717-285-5338 6-7:30 AM or 6-10 PM
388 Hershey Mill Rd., Mountville, PA 17554

COMPUTERS

Pick Out Your Software First. Farm Software Services, Bernville, PA 215-926-3167.

Wanted: Distributors for Apple Computers & Farmplan Software, minimum investment, full training & support, excellent return, nationwide company. Contact: AC&CS, Box 2008, Syracuse, NY 13200. 315-475-1084.

Computer software and video games. Software available: Atari; Commodore; Texas Instruments; Timex Computers. Video Games available: Atari CX2600; CX5200; Colecovision; Intellivision; and Vectrex. FREE Price list catalog, specify which catalog. M.B.D. Sales, RD 1, Box 213, Shippensburg, PA 17257.

PETS

Wanted: Puppies, all breeds. Jack's Dog Farm, Rt. 611 Pipersville, PA 18947. 215-766-8802

Wanted - puppies for pets. AKC, purebred and mixed litters. Will pick up locally. 717-442-4259.

MISCELLANEOUS

FOR SALE - New and used automatic washers, dryers, gas and electric refrigerators, ranges, used wringer-engine washers, new bedroom furniture. Open 7:30 to 4:30; Saturday, 7:30 to 12:00; evenings by apointment. Myer's Washer-Dryer, Rt. 772, between Brownstown and Leola. 717-656-7169

2" new boiler flue pipe, exc. for gates or fencing. 717-872-9152 days, 872-2579 eves. and weekends.

220 HP Cummins Diesel power unit, large water pump, can be used as snow maker or irrigation, 50HP electric motor, make offer, 215-385-3884.

For Sale - 7300 watt portable generator, used one time, make offer, 215-670-2395.

One hive or 50, some with honey crop. Call 301-838-7648.

PTO generator, 15KW, trailer mounted, PTO shaft, used very little, $1200. Perry Co. 717-567-3281.

For sale - flat steel plate, approx. thickness 3/16" to ¼", 10 cents a lb. 717-867-5316.

New Bushel crates 2.75 each. Better prices on larger quantities. Phone 717-799-5261.

Miller portable welder, 16HP motor, 100' of lead, Smith Torch, $1900, negotiable, 717-225-1847.

MISCELLANEOUS

Private individual wants to buy antique music boxes, coin operated machines, cylinder music box, Edison or other music related memorbilia-Nickolodean, antique horns for machines, 215-376-5469 or 372-8454.

Railroad tank car, 800 gallon, ideal for water or air tank, $2000; two 4000 gallon tanks $400; one 3000 gallon tank $300, 215-582-2197.

5 gallon paint sprayer with pressure hose and spray gun, hydro spray, Monark Series type 323, model 226153, $700, 215-582-2197.

1" by 2" mesh, wire sheets, 4½' wide by 10' long, 14 gauge, $3/sheet. 717-354-9840.

We Pay Top Prices For Standing Hardwood Saw Timber
Weaver Bros. Sawmill
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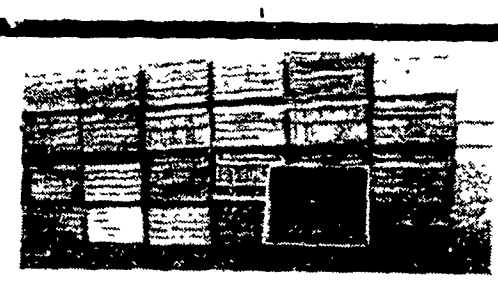

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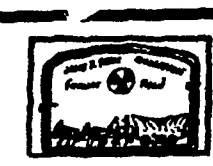

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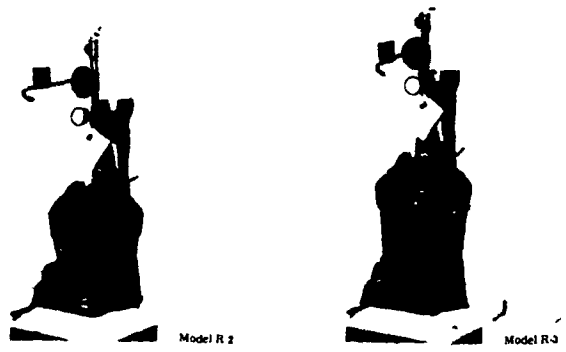

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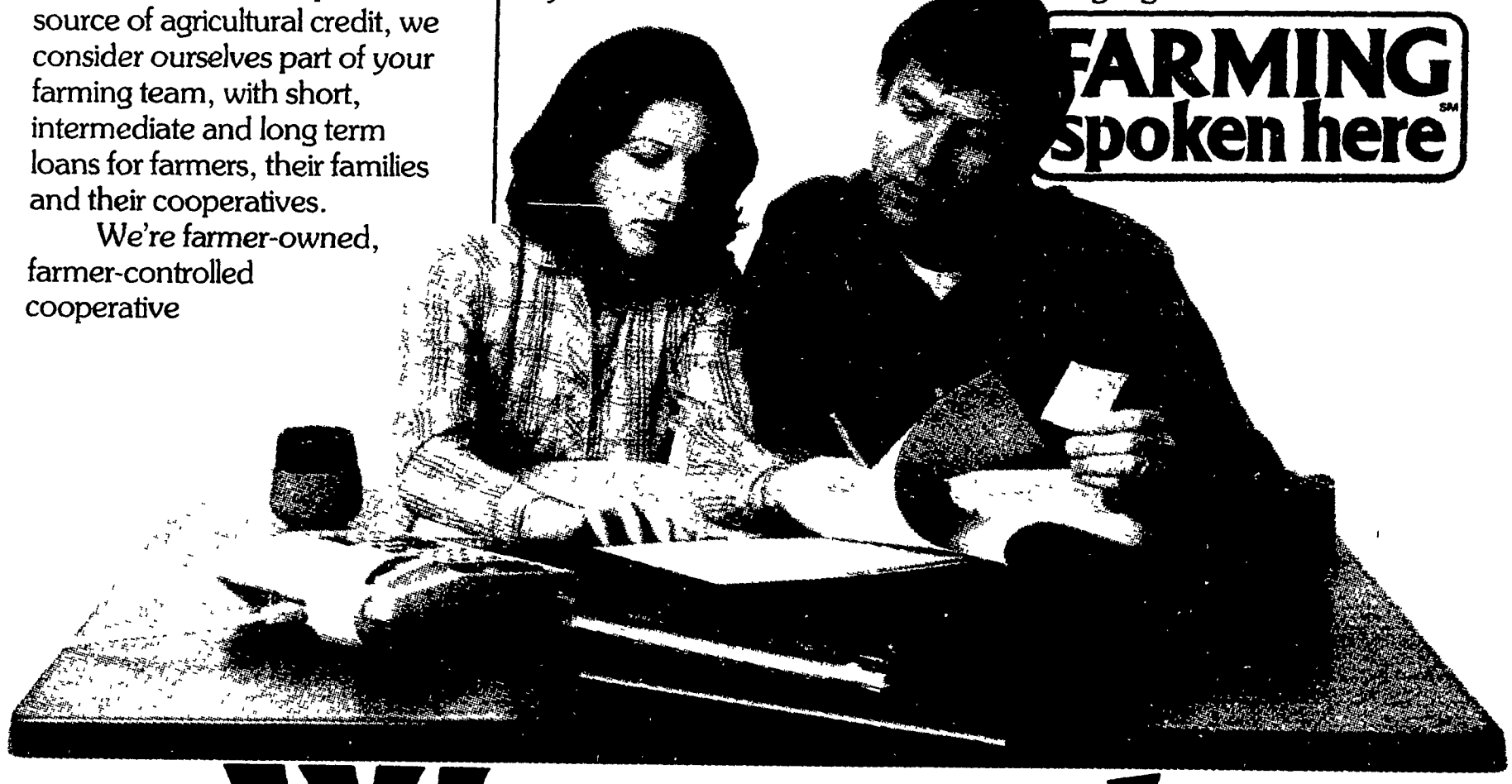

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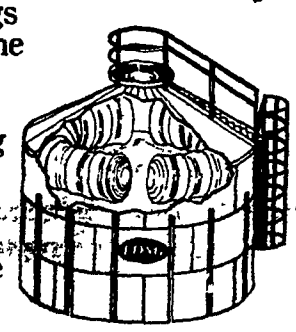

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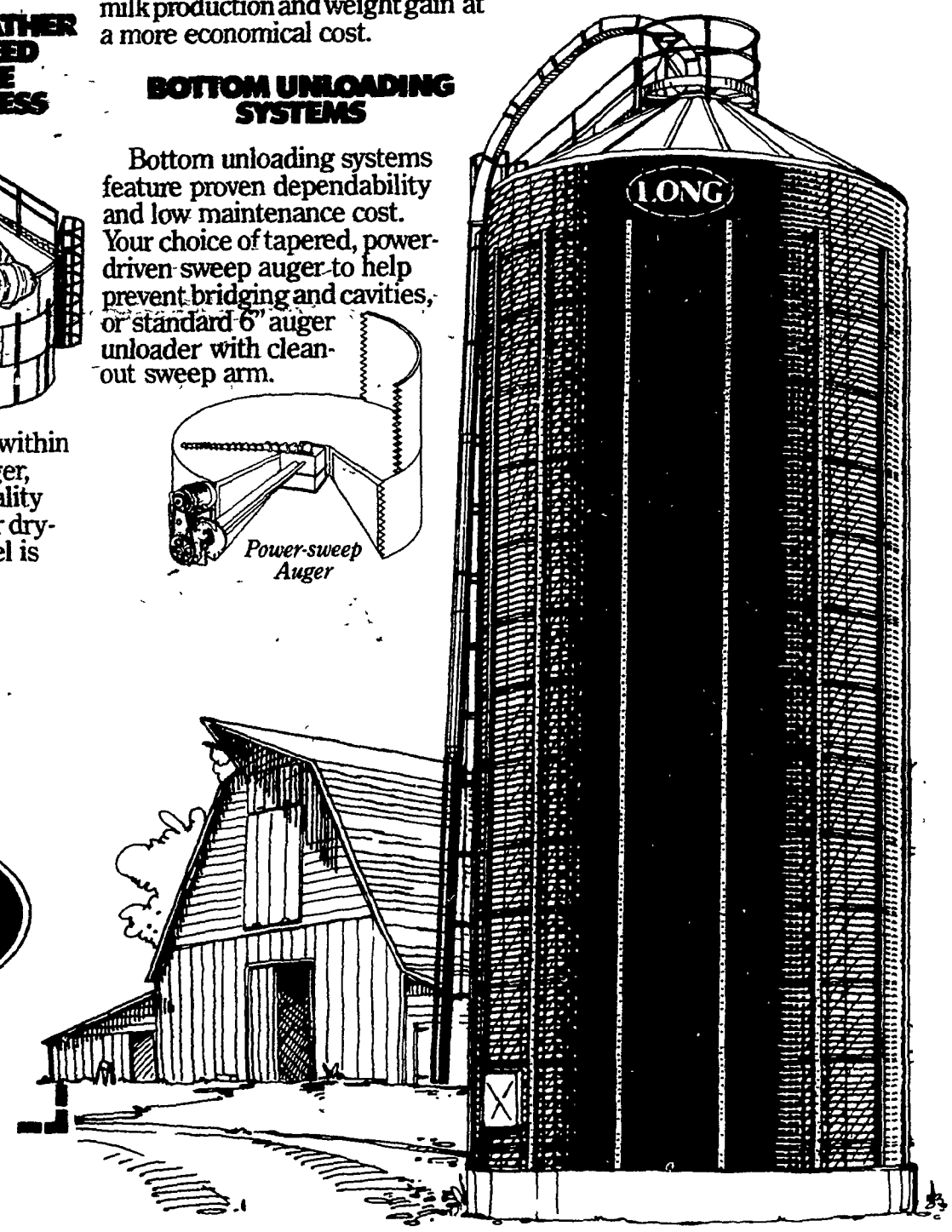

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Forging ahead with remembrances of yesteryear

BY JANE BRESEE

ULSTER - The energy crisis a few years ago put new fire into the bones of Richard Swenson, of Ulster, R.D. #1, Bradford County. He and his charming wife, Susie, had moved onto a small hill farm in the country and they were trying to find ways of making money in addition to his work as a blacksmith at the Pacquaro Horse Ranch in nearby Saco. Their flock of sheep, managarie of fowls from guineas to geese, and a cow or two, just weren't enough to make a good living.

He started by making stove pokers for the neighbors and himself for the wood stoves everyone was installing to save money on oil bills. He discovered that working with iron in addition to his horseshoes was fun and he began to experiment by making hooks, nails, candle sconces, and hinges. All of Swenson's iron were replicas of the old-time colonial age or before.

Marketing his wares was difficult in the sparsely populated rural dairy county, and they went to local antique shows, and flea markets trying to create a demand for their authentic iron ware. He continued to experiment making more and different objects.

One of these, for example, is a piece that Swenson says he will never sell, an iron snake named George, pounded from an old iron file. George is a real sneaky looking character, and he has brothers slithering around, Swenson says, but they only appear when he can find old iron files to make them!

Another project he tackled was to fashion a wood stove for his home, a combination cooking and heating stove which he says "can't be beat for heat and efficiency."

A break came a couple years ago when Swenson noticed in the official organ of the National Blacksmith Association, **The Anvil's Ring**, an ad for pictures for home-forged hardware to be published in a book. The Swenson's sent pictures and received a reply in January of 1982 to send samples that very week. This they did, of course, in spite of a snow storm that nearly jeopardized getting them into the mail.

Several months later a larger, handsome book arrived titled "Decorative Hardware" by Mark Dietrick and Diane Kinder Dietrick, published by Hearst Company. Inside, pictures were beautiful, Swenson's authentic, old time, hand forged, iron pieces: a latch, door hook, a hasp, hinge, and a ceiling hook that swivels (for hanging a pot rach which he also makes). The swivel ceiling hook was Susie's idea. She crossed two door pulls together and suggested that a hook be put down through the center to swivel!

As a result of "being published" the Swenson's have gotten orders from all over the country. One of his most popular items are foot scrapers, fashioned with tails long enough to sink down deep into the ground to support the biggest and dirtiest foot!

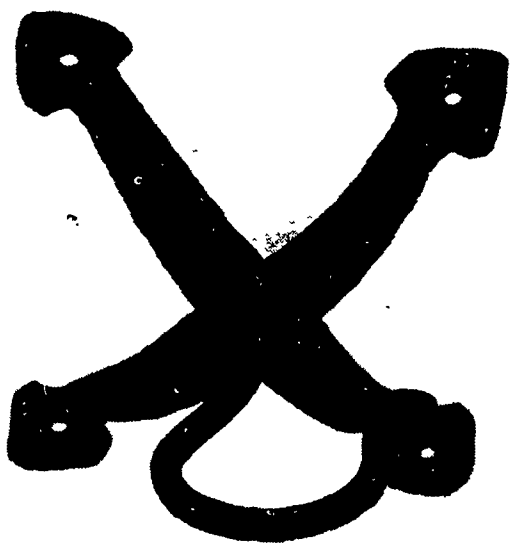
Never content with making the same things, Swenson ventured out into trying iron sculpture, and has an iron walking stick with a sculpted animal head for a handle. He plans to keep fracturing sculpting to further develop his techniques.

It's been a busy summer for the Swenson's. Dick is now the official blacksmith-in-residence at the lovely French Azilum Historical Park, demonstrating his forge and iron work there for the annual festival in June, and especially for any groups that request tours of the beautiful estate near the Susquehanna River where Queen Antionette planned to live had she escaped during the French Revolution.

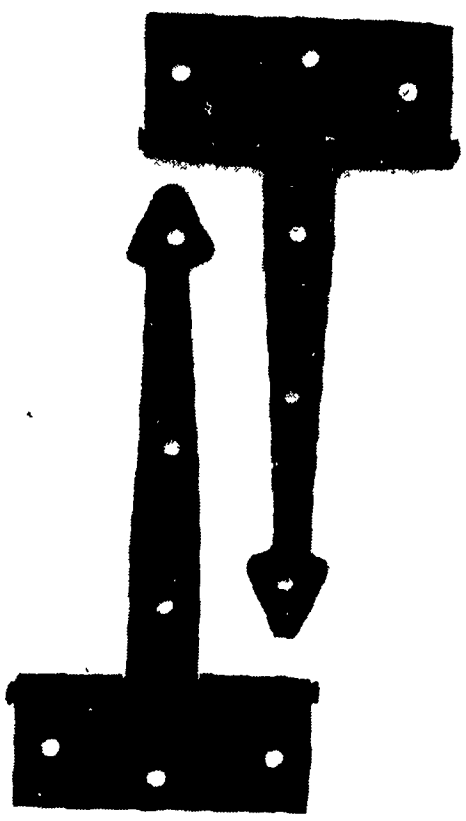
In addition he plans to teach some young people his trade since several have expressed an interest in what he is doing.

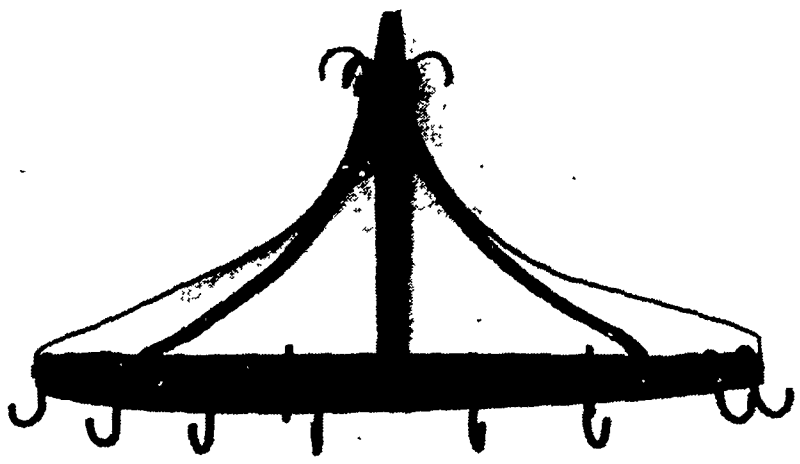
But Swenson is not too busy to think up new things to create. Everyone is watching to see what new "creature" will be seen coming out of Swenson's forge. For the news of the latest production call them at 717-358-3949.

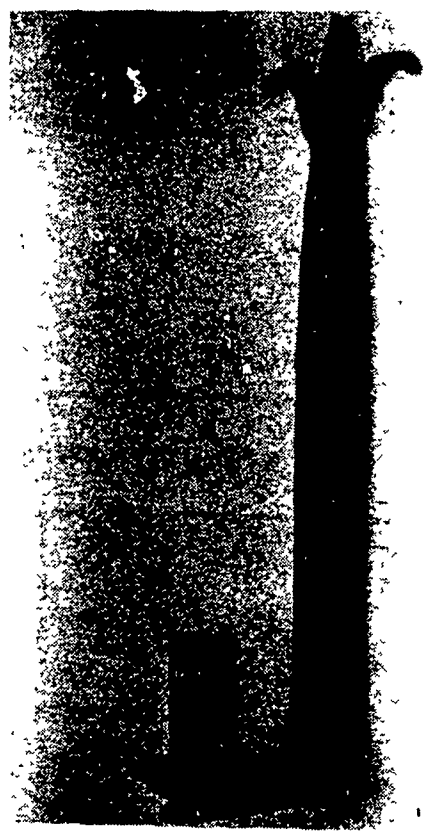
Richard Swenson, Bradford County hill farmer and blacksmith, holds a boot scraper.



This is George the snake, who was forged from an old file and a deer head walking stick.







Among the many decorative items forged by blacksmith Richard Swenson are a pot and butcher tool rack, a swivel hook to hang the rack in a Colonial kitchen, strap hinges and a candle sconce.

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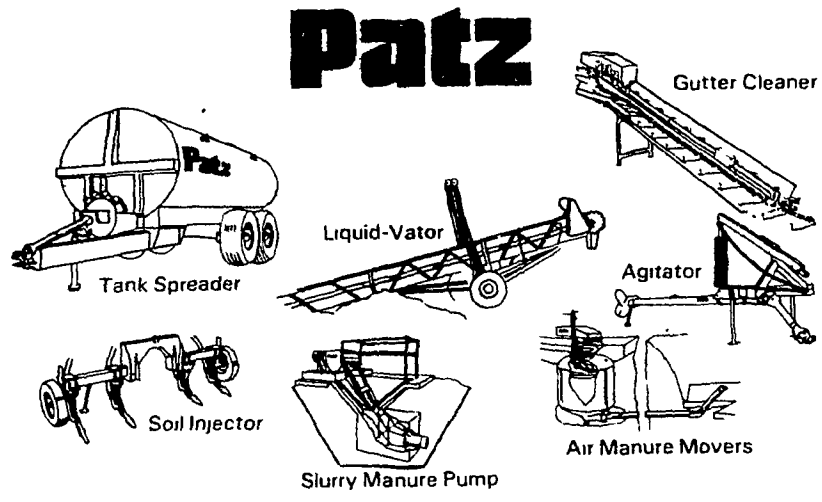

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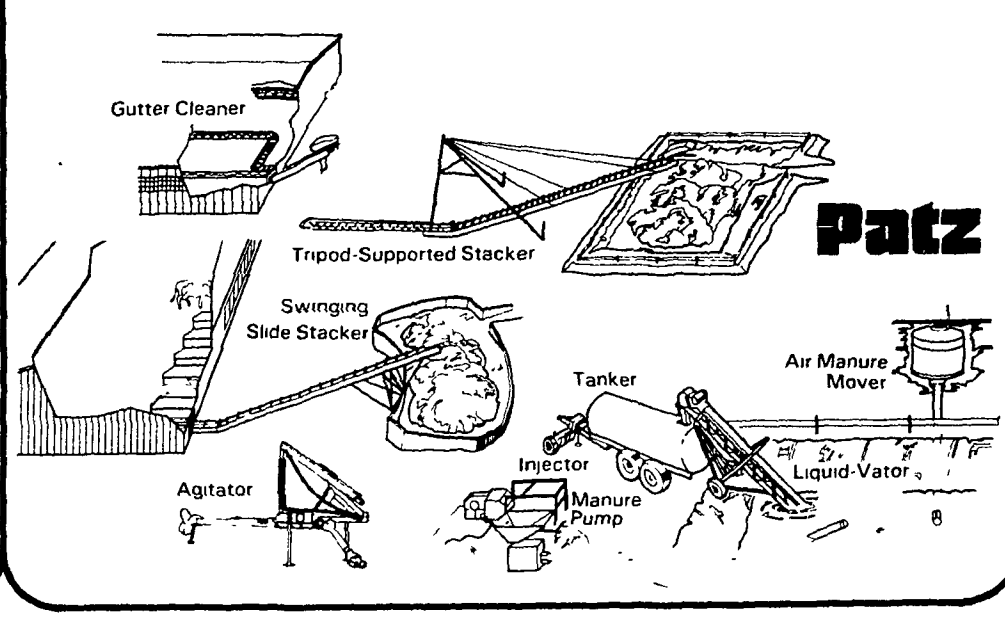

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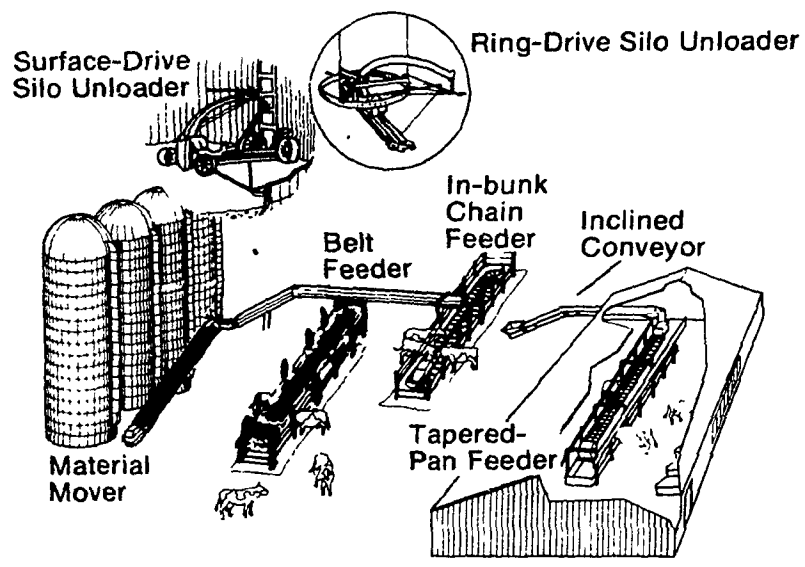

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1982 Ag Progress Photo highlight

The Marvin Zimmermans of Lancaster examine piece of equipment at last year's Ag Progress Days.

Don't Shortchange Cattle on Water

LANCASTER — Hot, humid weather is here. Dairy farmers can help reduce heat stress and maintain production levels by making certain that dairy cows and young stock have adequate amounts of good quality water to drink.

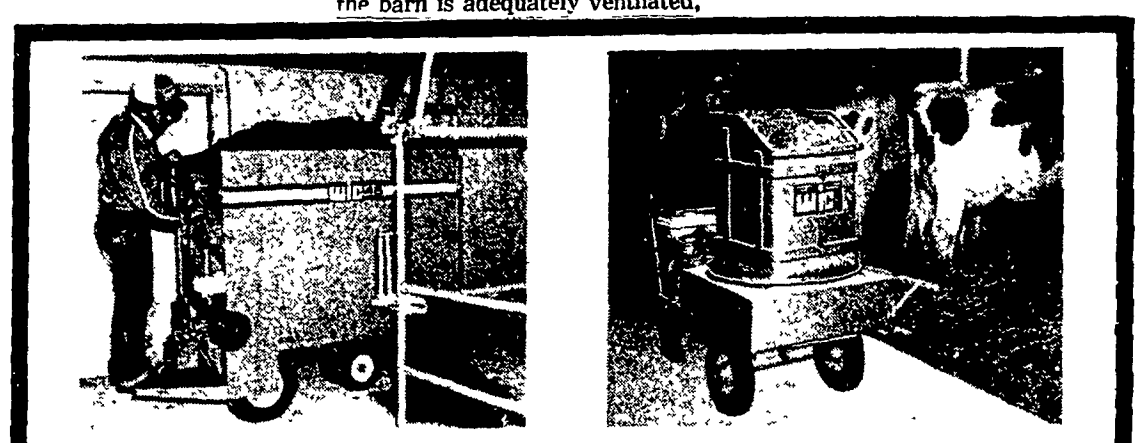
Water intake generally increases by 80 percent in hot weather. This is necessary to maintain normal body temperature and rumen metabolism, which may increase due to elevated temperature. This sometimes may result in milkfat test depression.

Through food or drink, cows must consume 4.0-4.5 pounds of water for every pound of milk they produce. They rarely receive over 50 pounds or 6 gallons of water daily from a high-silage ration. A cow producing 60 pounds of milk daily may need 270 pounds or 32 gallons of water daily in winter. In summer, however, she may need as much as 486 pounds or 58 gallons when temperatures exceed 80 degrees Fahrenheit and humidity is high.

Some water systems are not adequately equipped to handle the increased need for water. Cows like to drink at the same time. If they can't, they may not return to the water later, which could reduce milk flow. Sometimes cows are kept in outside lots or pastures with little or no water available to them for long periods of time. Avoid this by providing water sources in these areas or keeping cattle inside for longer periods if the barn is adequately ventilated, production may be 3.5-4.0 percent higher.

Preferably, water should be as cool as possible while water tank bowls and drinking cups should be kept clean. Water contaminated with feed and manure may have very high bacteria counts which may result in more off-feed and ketotic cows, as well as chronic diarrhea.

Heifers and dry cows don't require as much water as producing cows. Never-the-less, a 1000 pound heifer needs about 75 pounds or 9 gallons of water daily. Water is an especially important nutrient for ruminants. A large quantity must be present in the rumen at all times for proper fermentation and metabolism to occur.



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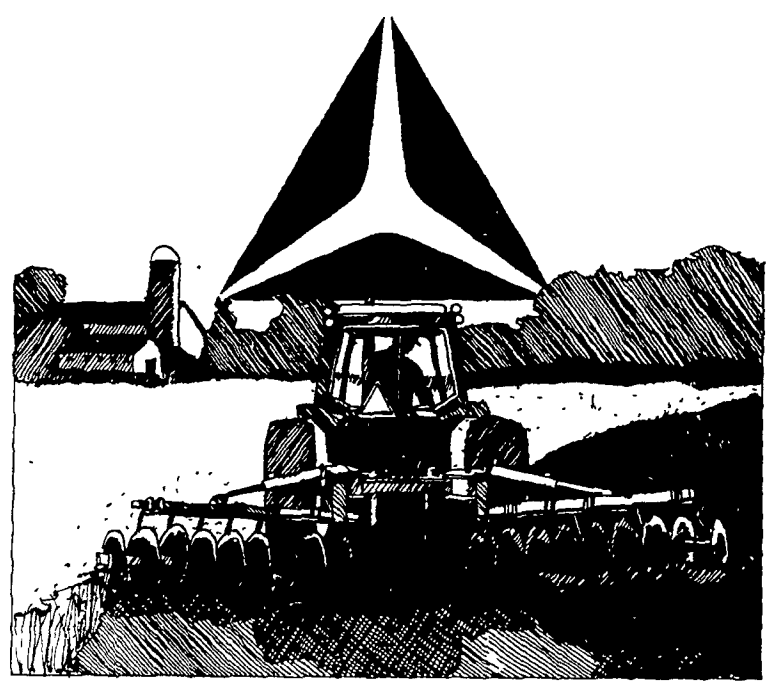

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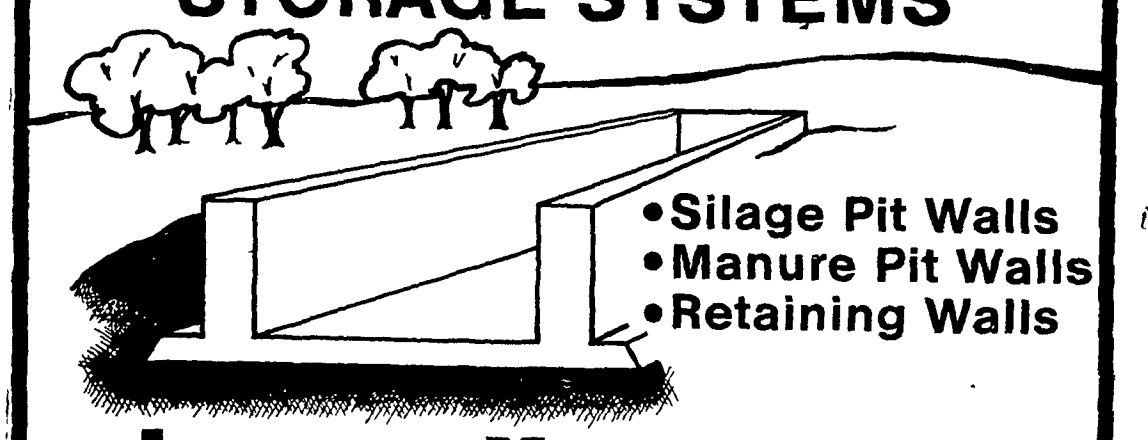

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Acid rain featured at Ag Progress Days

AG PROGRESS — Effects of acid rain on Pennsylvania's farm crops is just one of the many scientific research studies that will be demonstrated during Ag Progress Days.

"Ag Progress Days, recognized as the largest outdoor educational event for agriculture in the east, is designed to have something for everyone," said Dr. Samuel H. Smith, Dean of Penn State's College of Agriculture. The three-day event, which attracted more than 75,000 people last year, will be held at Rock Springs Agricultural Research Center, nine miles southwest of State College on Route 45.

"The theme for this year's show is Agriculture — Growing for You," Dr. Smith said. "Those of us closely associated with agriculture know how farming and ag-related businesses are merging into the state's number one industry." Smith pointed out that agriculture is more than a $3 billion industry in the state.

Technology, equipment, and research developments needed by American farmers now and in the future will be displayed at Ag Progress Days. Penn State researchers and specialists will be on hand to answer questions ranging from home computers use to garden care, and faculty will be available to discuss problems of plant and animal production, lawn care, insect and disease control, human nutrition and health care, financial management, and food preservation techniques.

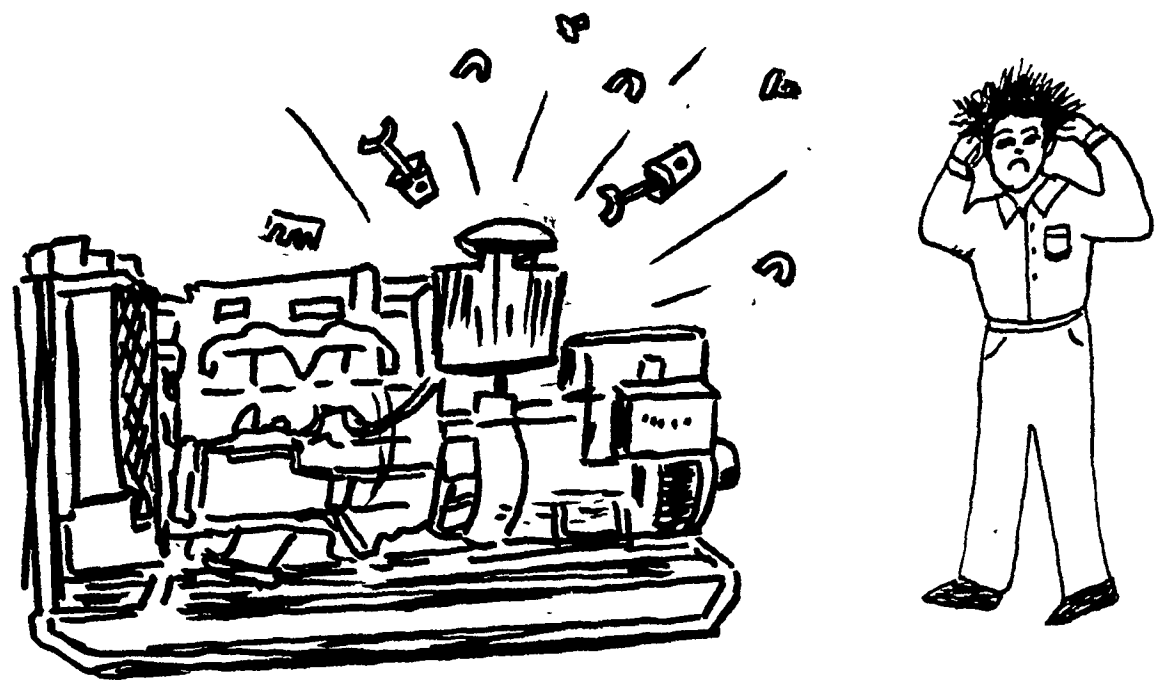
"The acid rain study involves a determination of how rain effects the growth of potato plants," Dean Smith stated. "Our researchers have constructed two mobile greenhouses called 'exclusion shelters' which are placed over potato plants during rains to control their rainwater intake. Control measures have been established to detect the stress rain on plants and soil acidity."

"As the Commonwealth begins to come out of the current recession," Dr. Smith said, "our agricultural economists have found that counties in Pennsylvania with a mixture of agriculture and manufacturing industry were not affected as badly as other counties."

Pennsylvania has the fastest growing livestock and poultry industry in the country, and the state leads the Northeast in food processing.

People attending Ag Progress Days Tuesday to Thursday will see more than $20 million worth of farm machinery, most of it in action during scheduled demonstratins. Parking and admission are free. The show opens at 9:00 a.m. daily and closes at 5:00 p.m. — except on Wednesday when the show closes at 7:00 p.m.

Before Things Fly Apart You Would Better Start Calling (215) 445-4585



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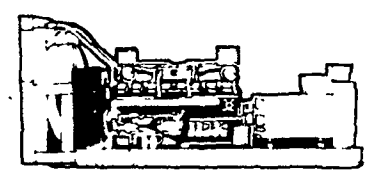

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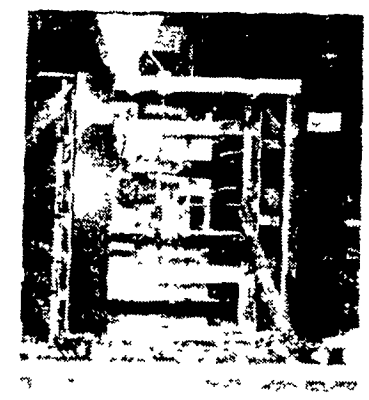

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Hairy, sticky alfalfa fights off insects

WASHINGTON, D.C. — Insect pests may have to fight their way through sticky hairs on alfalfa to feed or lay eggs on the plants in the future.

And the odds are that the pests - alfalfa weevils and potato leafhoppers - will get stuck and die, said researcher Edgar L. Sorensen. That is what is happening to the pests trapped on experimental lines of alfalfa that he and colleagues have bred.

Sorensen, an agronomist for USDA's Agricultural Research Service, stationed at Manhattan, Kan., envisions sticky-haired alfalfa as a biological defense against the alfalfa weevil and the potato leafhopper, alfalfa's two most serious insect pests.

Glandular hairs on the new alfalfa lines produce a sticky fluid that runs down the side of the glands. Sorensen said the fluid ensnares the fragile young larvae of the alfalfa weevil and the nymphs of the potato leafhopper as they begin to move about.

"We are studying differences in hairs and the quality and quantity of the sticky material from different alfalfa species," Sorensen said.

According to the agronomist, the location of hairs on the plant also is "critical because each insect has a different style of attack."

Sorensen said results of tests to date indicate the sticky hairs hold promise as a natural pest defense. But a target date for introducing the sticky defense in alfalfa fields, he said, will depend on further breeding research on alfalfa lines.

Sorensen said other traits besides sticky hairs may be important in discouraging pests from attacking a particular plant or species.

When given free choice in feeding tests, the adult alfalfa weevils avoided annual species. "Apparently, some factor such as odor was influencing their behavior," he said.

"We have two good prospects coming along based on crosses to our hay type lines, one with a wild

(Turn to Page D7)

A newly hatched alfalfa weevil larva is fatally trapped in the sticky glandular hairs of Medicago species alfalfa. Larva, photographed via scanning electron microscope, measures 1.3 mm. or 1/20th inch.

Alfalfa weevil is a tiny bug only 3 mm. or about 1/10th inch long, but it has a voracious and costly appetite.

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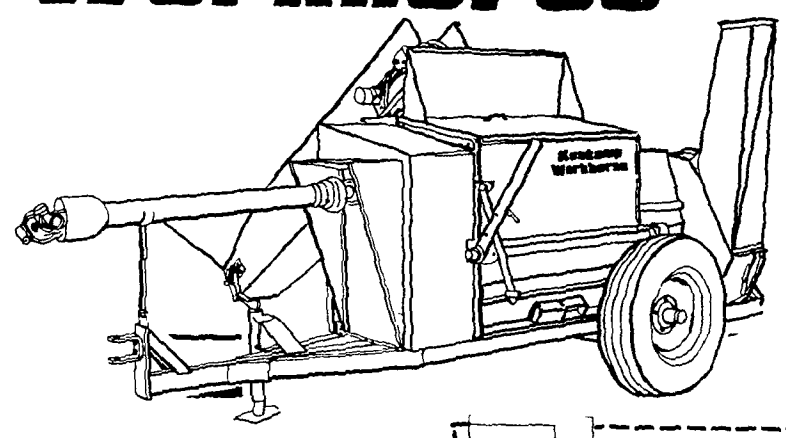

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Researchers cross annual and perennial alfalfa

MANHATTAN, Kan. — The first known cross of annual and perennial alfalfa, a Medicago species, has been made in an effort to improve insect resistance.

The scientists, USDA agronomist Edgar L. Sorensen, and cytogeneticist G.H. Liang, and graduate assistant N. Sangduen of the Kansas Agricultural Experiment Station, produced one hybrid plant from the 34 seeds they collected after hand fertilizing thousands of alfalfa flowers and treating them with gibberellic acid to improve the chances of successful fertilization.

"Unfortunately," Sorensen says, "the hybrid plant could not produce seed from self fertilization or from crossing with the annual parent. However, we were able to produce viable seeds by fertilizing the tetraploid hybrid plant blossoms with pollen from perennial plants."

(Turn to Page D8)

Hairy alfalfa

(Continued from Page D6)

alfalfa from Russia and the other with a glandular-haired wild Italian alfalfa that is very drought resistant," he said.

Sorensen reports progress toward pest resistance by crossing a hairy annual pasture-type alfalfa, imported from Australia, with a perennial hay-type alfalfa common to U.S. agriculture. This marks the first successful cross between annual and perennial alfalfas.

Cooperating with Sorensen in this breeding research are cytogeneticist G.H. Liang and graduate assistant N. Sangdien, both of the Kansas Agricultural Experiment Station, Manhattan.

Their work, which involved hand-pollinating thousands of plants and treating them with gibberellic acid to enhance fertilization, has yielded one hybrid plant.

Sorensen said the hybrid is limited in its usefulness for further breeding since it can only be backcrossed to the perennials.

"The main characteristic we are trying to transfer is the insect-resistant glanduair hairs of the Australian type," Sorensen said.

Sorensen is also working with Kathleen J.R. Johnson of Texas A & M University and Ernest K. Horber of the Kansas Agricultural Experiment Station to evaluate annual alfalfas from other parts of the world, such as Argentina and Turkey.

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Consumers Cautious About Spending

LANCASTER — Although consumers are optimistic about the economy they're still cautious when it comes to buying food. Perhaps they discovered you can cut your food bill and still enjoy nutritious, tasty meals so there's no reason to return to those costly shopping habits.

Whatever the reason, consumers are sticking with several money saving techniques that've become popular recently, and it's likely these techniques will become regular practices. According to Greta C. Vairo, Extension home economist, a popular way to save in food is coupons. A recent survey found 1/3 of all food shoppers asked used five or more coupons per shopping trip.

Food shoppers have also learned organization can save money. More and more consumers are studying newspaper ads for specials before they go shopping. And they're using shopping lists to help cut down on expensive impulse buying. They're also buying more items in bulk. The 50 lb. bags of potatoes and the five lb. bags of carrots have become big sellers.

Brand loyalty and store loyalty seem to be victims of the financial squeeze. Consumers want the best price possible, and, if that means leaving a store they've shopped at for 12 years, they'll do it. Shoppers are also willing to stop buying a favorite brand more if another manufacturer puts out a similar product for less. Quality however, is still important to shoppers, and they won't buy an item if it doesn't meet certain standards, no matter how low the price.

1982 Ag Progress Photo highlight

In soil conservation efforts examined last year at Ag Progress wild flowers were demonstrated as cover for disturbed sites.

Alfalfa crosses

(Continued from Page D7)

Plants require matching numbers of chromosomes to cross successfully. Even then, wide crosses between plants with different characteristics, though they are in the same genus, is difficult.

"Both the annual and perennial parents in this case carried four sets of chromosomes, called tetraploids," the Agricultural Research Service scientist says. "However, cells from our hybrid plant showed six sets of chromosomes, a hexaploid. Samples taken later from a new shoot and from root tip cells showed four sets of chromosomes, like the parent plants. This mixture of chromosome numbers in shoots of the same plant, called a mixoploid, is very unusual."

The plant shows mixed characteristics, Sorsensen says. It has light green color like the annual parent, purple flower color like the perennial parent, and intermediate characteristics in leaf shape and size, degree of hairiness, and stem height and shape.

"The main characteristic we are trying to transfer is the insect resistant glandular hairs of the Australian annual pasture type, Medicago scutellata, to the hay type perennial alfalfa, Medicago sativa," Sorensen says.

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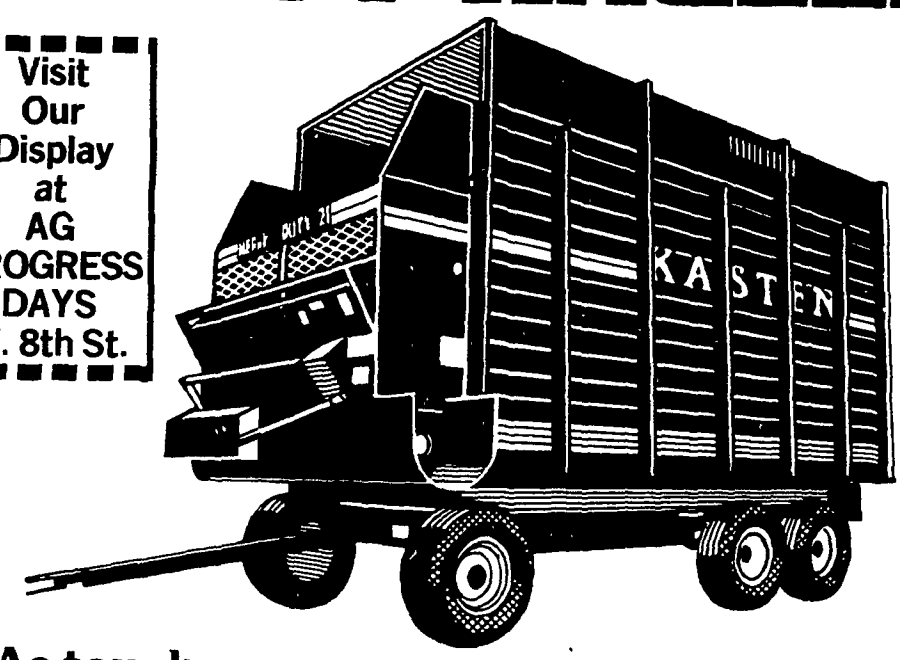

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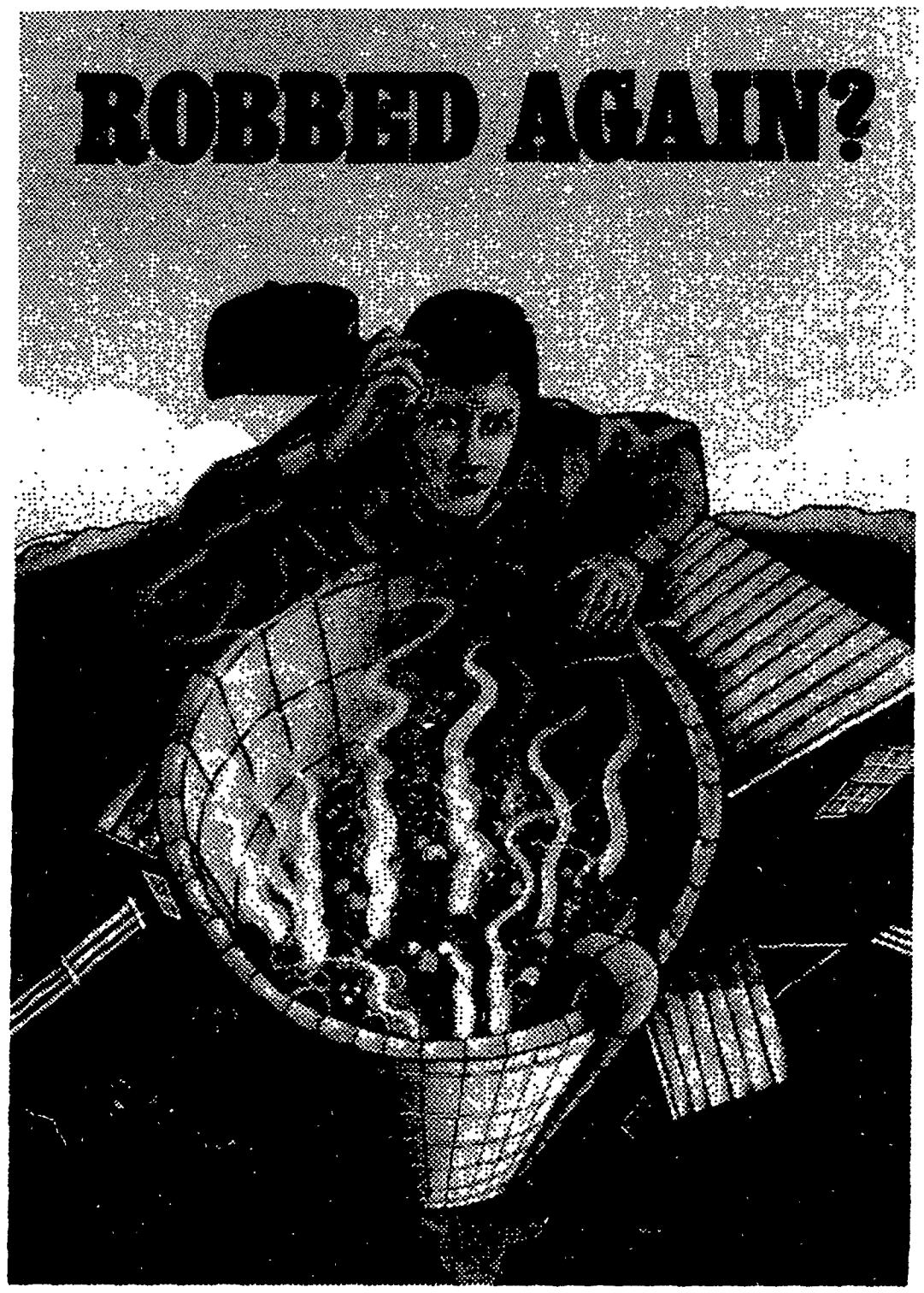

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USDA releases new alfalfa germplasms

BELTSVILLE, Md. — The Agricultural Research Service, U.S. Department of Agriculture, announces the release for breeding purposes of the multiple pest resistent germplasms W10AnWFuPy3, (B2An4 X Arc)AnWFuPy3, and B28. These germplasms contain high resistance to race 1 and race 2 anthracnose and Fusarium wilt, moderate resistance to bacterial wilt, and low resistance to Phytophthora root rot. The germplasms were developed at the Beltsville Agricultural Research Center, Beltsville, Md. Scientists responsible for development of these germplasms were J.H. Elgin, Jr., and S. A. Ostazeski.

Table 1. Relative levels of resistance to race 1 and race 2 of the anthracnose-causing organism Celletotrichum trifolii in 11 germplasms developed at the Beltsville Agricultural Research Center.

Germplasm	Percent resistant plants[1] Race 1	Race 2	Grams of seed released
B6An1AC3	89	67	2
B7AC3	91	67	2
B9Fu3AC3	88	69	2
B11Fu3AC3	86	78	2
B14V1Fu2	84	72	2
B16AC3	84	70	1
B19AC2	72	72	2
W10(Syn 3)AC3	82	69	2
Saranac AR-AC3	85	84	1
BMP8(Syn 4) AC3	88	82	2
B27	81	73	10
Arc	72	3	
Saranac AR	68	54	
Saranac	8	2	

[1]Standard evaluations conducted at Beltsville Agricultural Research Center.

W10AnWFuPy3 traces to W10 and (B2An4 X Arc) AnWFuPy3 traces to greenhouse hand crosses between 40 randomly selected plants of Beltsville 2-An4 and 40 plants of the cultivar Arc. Each base population, W10 and (B2An4 X Arc), was screened for 3 cycles of recurrent phenotypic selection for resistance to race 1 and race 2 anthracnose, Phytophthora root rot, Fursarium wilt, and bacterial wilt.

Seedings were made in January in each of 3 consecutive years. After 2 weeks the seedlings were spray inoculated with an equal mixture of race 1 and race 2 anthracnose inoculum followed weekly over the next 3 weeks with a drenching application of bacterial wilt, Fusarium wilt, or Phytophthora root rot inoculum until all three root and crown pathogens had been applied. After 8 months in the greenhouse, first under the cool temperature (18-22° C) of late winter and spring and then under the warm, humid temperatures (30-35° C) of summer, the survivors (►300) were placed under cages in the greenhouse for production of intercross seed using honeybees for pollination. Approximately 43,200 seedlings were screened for each germplasm in cycle 1, 10,800 in cycle 2, and 8,600 in cycle 3. B28 was developed by intercrossing the 200 most vigorous plants selected in cycle 3 from each germplasm (400 plants total).

On standard growth chamber evaluations at Beltsville, Md., the percentage of plants resistant to race 1 and race 2 anthracnose for W10AnWFuPy3, (B2An4 X Arc) AnWFuPy3, B28, Arc, 'Saranac AR,' and 'Saranac' was 86 and 71, 86 and 66, 91 and 76, 72 and 3, 68 and 54, and 8 and 2, respectively. In tests at St. Paul, Minn., the percentage resistant plants to bacterial wilt for W10AnWFuPy3, (B2An4 X Arc) AnWFuPy3, 'Vernal,' 'Ranger,' and 'Narragansett" was 37, 38, 33, 23, and 0, respectively; percentage resistant plants to Phytophthora root rot for W10AnWFuPy3 (B2An4 X Arc) AnWFuPy3, Saranac, and 'Agate' was 13, 14, 5, and 35; and

(Turn to Page D11)

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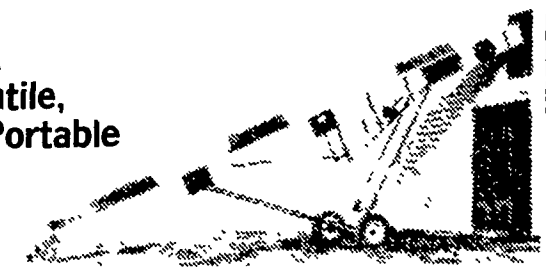

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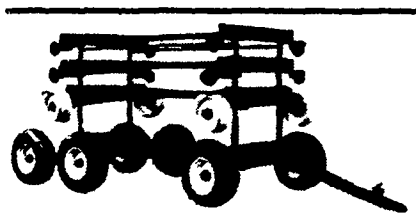

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1982 Ag Progress Photo highlights

The dairy and livestock tent at the 1982 Ag Progress Days featured some of the *African Blue Duikers*, which are being used in continuing research. Stuart and Set Moseby examine the little critters.

Soil conservationists Graham Munkittrick and Mitchell Cattrell discuss use of wild flowers as cover crops.

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Alfalfa germplasm

(Continued from Page D10)

percentage resistant plants to Fusarium wilt for W10AnWFuPy3, (B2An4 X Arc) AnWFuPy3, Narrangansett, Agate, 'Moapa 69,' and MNGN-1, was 89, 89, 39, 67, 89, and 5, respectively.

Seed of W10AnWFuPy3 and (B2An4 X Arc) AnWFuPy3 in 5-gm lots and seed of B28 in 10-gm lots will be provided to each plant breeder upon written request while supplies last. Seed requests should be sent to J.H. Elgin, Jr., U.S. Department of Agriculture, ARS, Rm 335, B-001, Beltsville Agricultural Research Center, Beltsville, Md 20705. Recipients of seed should make appropriate recognition of the source of the germplasm if it should contribute to the development of a hybrid, germplasm, or cultivar.

RATION MAKER SILAGE FERMENTATION AID

Ration Maker Silage Fermentation Aid provides lactic acid producing bacteria, bacteria growth media, enzymes and electrolytes to initiate and support rapid fermentation. A rapid fermentation will provide the following:

1. **Improve palatability and odor.**
2. **Helps maintain more of the original color.**
3. **Reduction of run off.**
4. **Reduction of excessive heat.**
5. **Maintaining more of the digestible protein.**
6. **Reducing dry matter loss.**
7. **Reduction of butyrate formation by CLOSTRIDIA bacteria. These bacteria also cause extensive breakdown of protein.**

There are three ways a silage fermentation aid will be beneficial.

1. **Increasing the amount of lactic acid producing organisms and enzymes.**
2. **Providing growth media for the organisms present.**
3. **Enhancing the availability of the nutrients in the forage.**

Ration Maker's Fermentation Aid provides acid producing bacteria and their enzymes. The most important of these are **Lactobacillus Acidophillus** and **Lactobacillus Plantorum.** Ration Maker's Fermentation Aid contains live cultures of both bacteria and their dried fermentation products. The fermentation products contain enzymes which produce lactic acid.

The RMP Silage Fermentation Aid has been designed with 5 strains of viable lactic bacteria. Five are used to provide bacteria which work effectively throughout the pH range of the fermentation process.

Research shows the use of bacteria and their enzymes is the best method of consistently producing a rapid fermentation.

Ration Maker's Fermentation Aid provides the growth media for the bacteria added and those naturally present. Also, the levels of iron, iodine, zinc, manganese, copper and cobalt are added at a level to insure the activation of the added enzymes.

RMP Silage Fermentation Aid is formulated to maintain the availability of the nutrients in the forage. When a forage is chopped, a fluid loss occurs causing an imbalance in the tissues. By helping to restore and maintain the electrolytic balance, run off will be held to a minimum.

WARNING: This product or any other product will not improve poor silage, nor will it replace good silage management.

If You Are Looking For Quality, Look To RMP

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Silage Fermentation Aid
5 Bags or more $39.50
Per 50 Lb. Bag

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Thomasville, PA 717-225-1064
Nevin Kegerreis
Lititz, PA 717-626-5469
William MacCauley
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Centerville, MD 301-758-1625

STOP BY AND SEE US AT AG PROGRESS DAYS!

Du Pont speaking up for the farmer

WILMINGTON, Del. — Somewhere on the back forty a teenage youth handling a $100,000 combine whistles the tune "I'd like to say a word for the farmer . . ." These lyrics from the musical "Oklahoma" express the general feeling among today's farmers about the lack of basic understanding of American agriculture by urban dwellers.

Survey after survey points out a paradox each time a bumper crop augers into the grain bin. The enormous productive capacity of American agriculture is a bane instead of a boon when urban populations hear talk of government farm programs, surplus grain, low market prices and subsidized agriculture.

Given the opportunity to explain the facts of farming to their city cousins, farmers could soon gain understanding and sympathy for themselves and agriculture. The statistics of America's agricultural productivity are a tribute beyond comparison to this country's most underrated hero, the farmer. But past rivers of success in gaining understanding quickly silts in as generation follows generation and farm population numbers dwindle while non-farm tallies increase. As former Secretary of Agriculture Earl Butz said, "Today's youth can no longer say that their grandfather was a farmer." Most people today have lost touch with the business of farming; the sterotyped image of the "man with a hoe" is as naive as a first grader taking calculus.

Word for farmer

Someone is saying a word for the farmer, however. Currently, the Du Pont Company is reaching more than 45 percent of the American households with timely comments about American agriculture. The thrust of this major, non-product campaign is aimed at the non-farm adult population whose knowledge of agriculture is just about a notch beyond the supermarket counter.

"Our goal is to support the industry that sells and uses Du Pont agrichemicals," says E. Norris Tolson, worldwide director of marketing for Du Pont agrichemicals. "The American public is receptive to information about agriculture. We all have to eat, and people demand top quality food. Telling agriculture's story in the cities will create a positive reaction for farmers and the crops they produce."

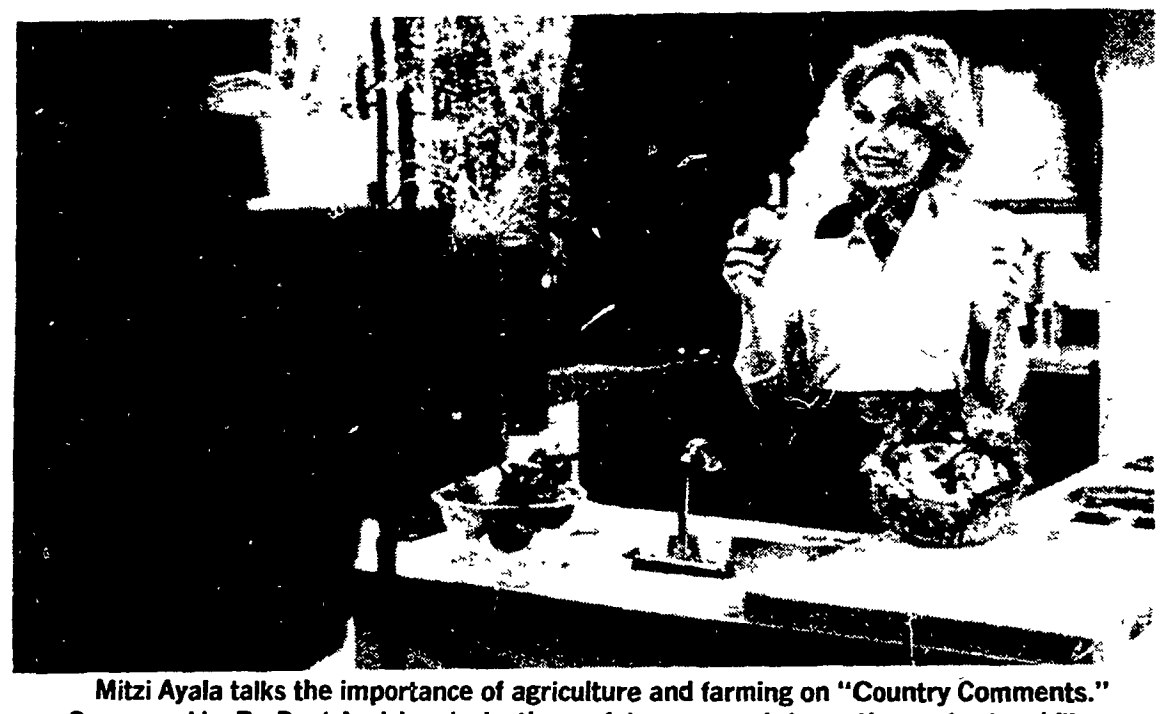
Du Pont is telling the farmer's story via TV spots, personal TV and radio appearances and live speaking engagements. They have selected farm broadcaster Mitzi Ayala as the host of "Country Comments," an excitingly new and varied program. Mitzi's creditials read like the pedigree of the first place calf at the state fair — rice farmer, mother, author, newspaper columnist and television hostess. She has the golden hair and smile of the farmers daughter coupled with degrees from Harvard and George Washington universities.

Country Comments

"Country Comments" will highlight useful consumer information on food and fiber, interesting and often little known farm and food/crop facts, and positive points on the proficient production by American farmers. As Du Pont's "Ambassadress for American Agriculture," Mitzi Ayala's warm conversational deportment invites the adult non-farm viewer to become an instant expert on whatever topic she discusses. Her inquisitive style permits people to learn basic information about agriculture quickly.

"Agriculture's success in the future requires the understanding of non-farm people," says Mitzi. Thats the 97 percent of the population who don't grow the food

(Turn to Page D13)



Mitzi Ayala talks the importance of agriculture and farming on "Country Comments." Sponsored by Du Pont Agrichemicals, the useful consumer information on food and fiber is being viewed by millions on metropolitan TV stations across the country.

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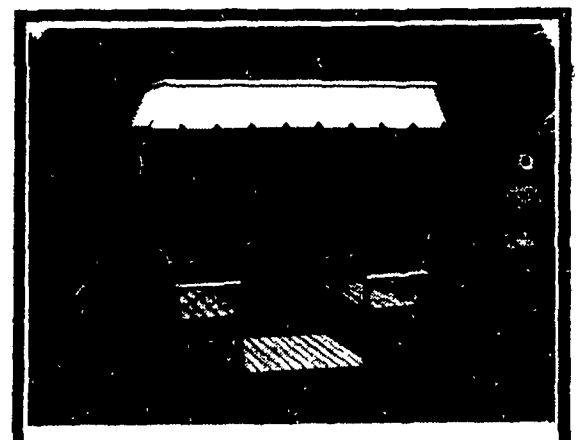

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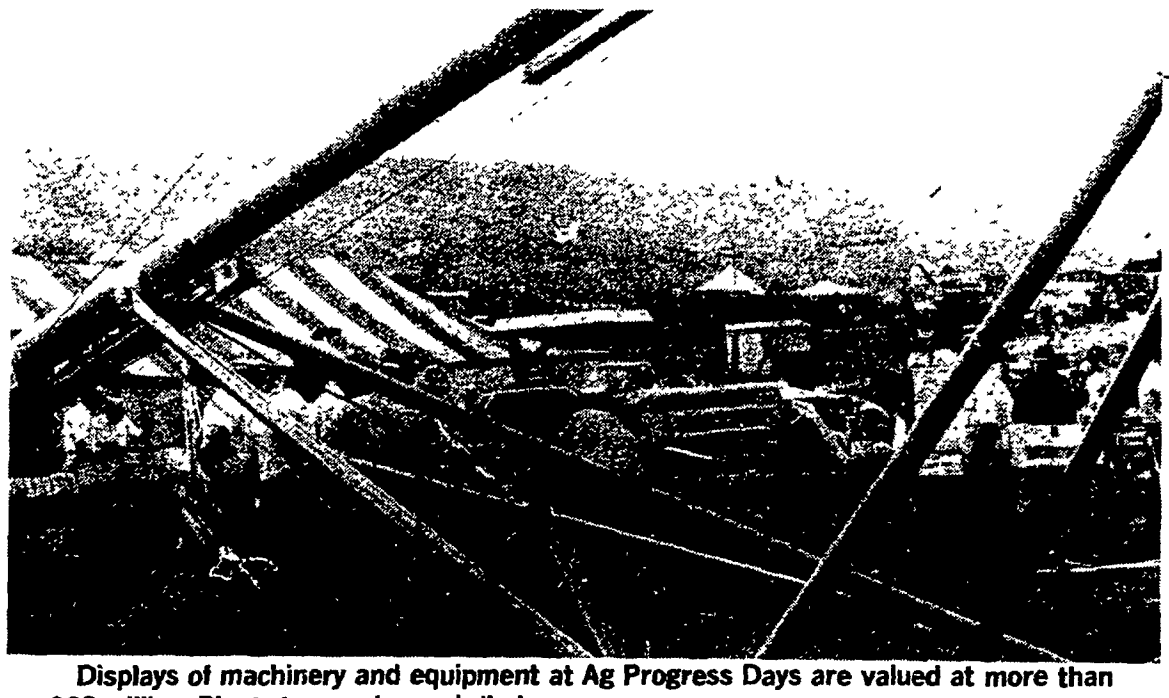

Displays of machinery and equipment at Ag Progress Days are valued at more than $20 million. Plenty to examine and climb over.

1982 Ag Progress Photo highlight

Speaking for farmer

(Continued from Page D12)

and fiber needed to live. To keep agriculture strong and healthy, we must develop increased awareness of the care and management farmers expend to produce bumper crops of the highest quality. My personal goal is to bring farmers and urban people closer together."

On 40 Stations

Du Pont "Country Comments" is already on 40 television stations located in major metropolitan centers. By fall the company expects a penetration of more than 50 percent of the non-farm households. The one and one-half minute programs will air at various times to attract the greatest number of potential viewers. In addition, Mitzi Ayala will speak out for agriculture on personal TV and radio appearances and tour many of the target cities for speaking engagements.

"Du Pont is proud of the achievements of the American farmer. Through Mitzi Ayala, we plan to say a positive word about the farmer to those who benefit most from his efficient productivity," says Tolson. "Strong support for the farmer as the backbone of American helps us as a nation better cope with the problems of the world. Du Pont is pleased to salute American agriculture and the farmers who make it happen."

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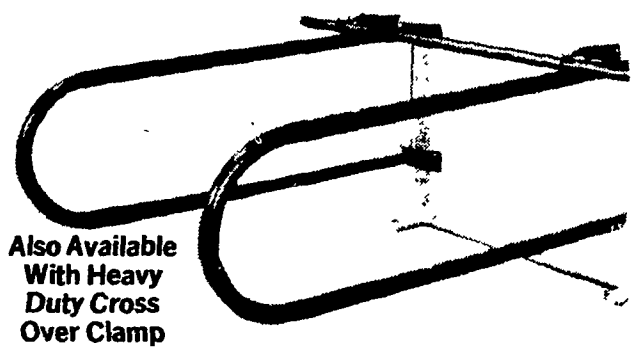

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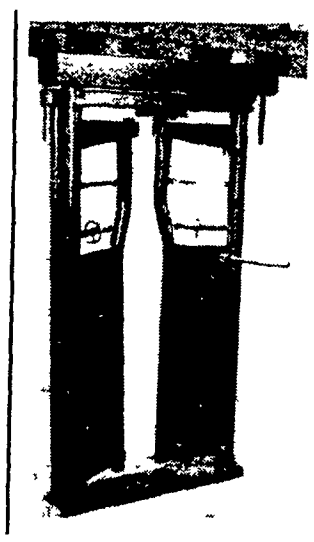

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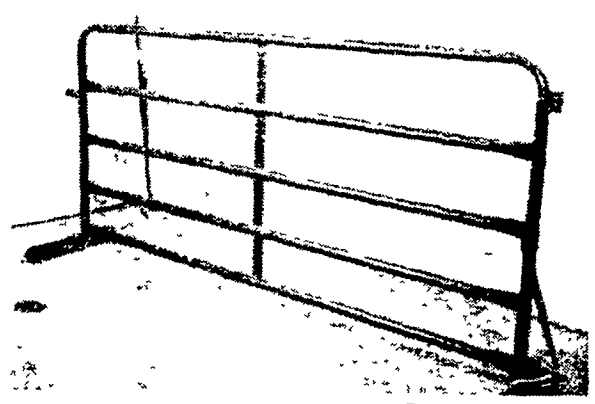

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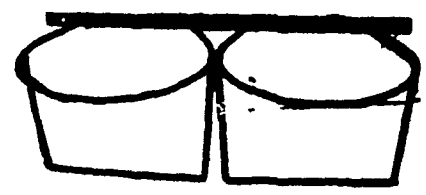

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Fuel savings continue down on farm

WASHINGTON, D.C. — After being staggered by soaring fuel prices in the 1970's, American farmers are enjoying a respite in which both prices and consumption have declined—a combination that pays tidy dividends in the form of lower production costs.

Thanks to the oil glut, prices for the two major farm fuels, diesel and gasoline, have receded from their 1981 peaks. Gasoline prices fell from an average $1.29 per gallon bulk in 1981 to $1.23 per gallon last year, while diesel prices fell from $1.16 to $1.11. This year's prices are expected to average still lower, according to energy analyst John Duncan of USDA's Economic Research Service.

"Even though prices for electricity, LP gas, and natural gas have continued to rise, diesel fuel and gasoline together account for about two-thirds of farmers' total expenditures on energy. This means that, overall, the energy used for farm production is significantly cheaper than it was 2 years ago," says Duncan in a recent issue of USDA's FARMLINE magazine.

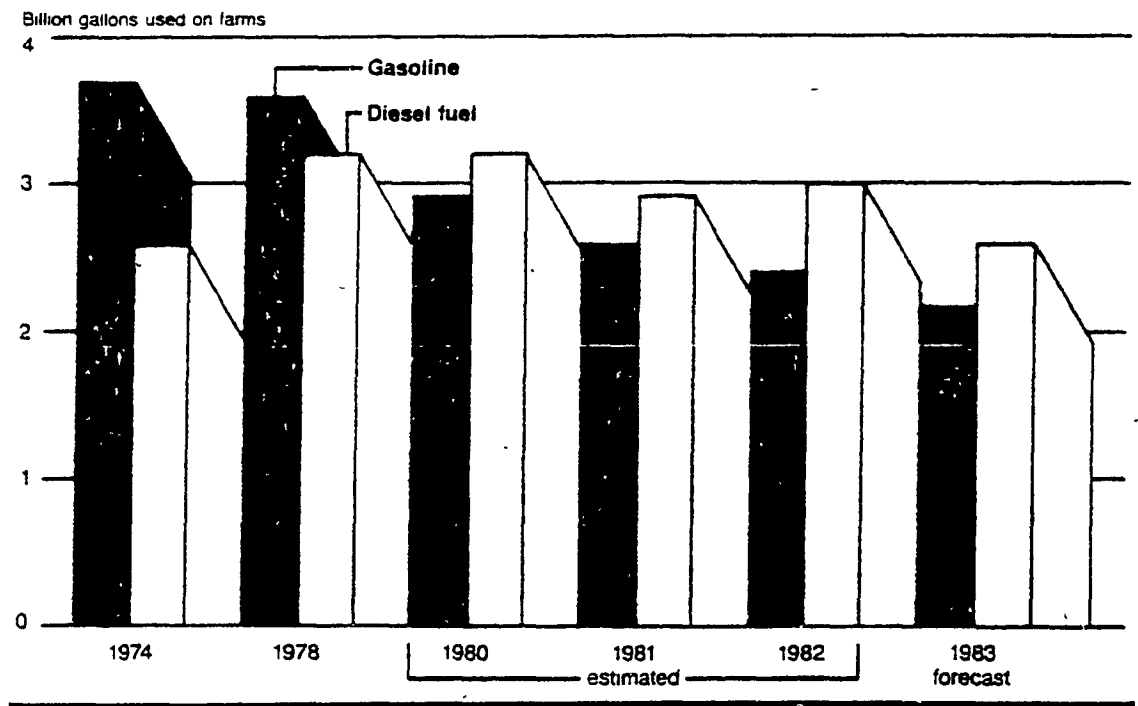
OPEC drowns

The good news for American farmers comes at the expense of OPEC and other oil exporting nations, he adds. OPEC, particularly, has seen once-lofty profits drown in a flood of oversupply after the 60-percent oil price increase of 1979. Higher crude oil prices encouraged energy conservation and contributed to a worldwide recession which further reduced demand for petroleum products.

"The response of U.S. farmers to

(Turn to Page D16)

Diesel Overtakes Gasoline as the Major Farm Fuel, But Both Fuels Show Conservation Trend



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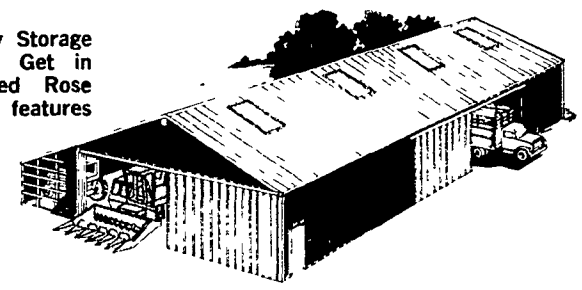

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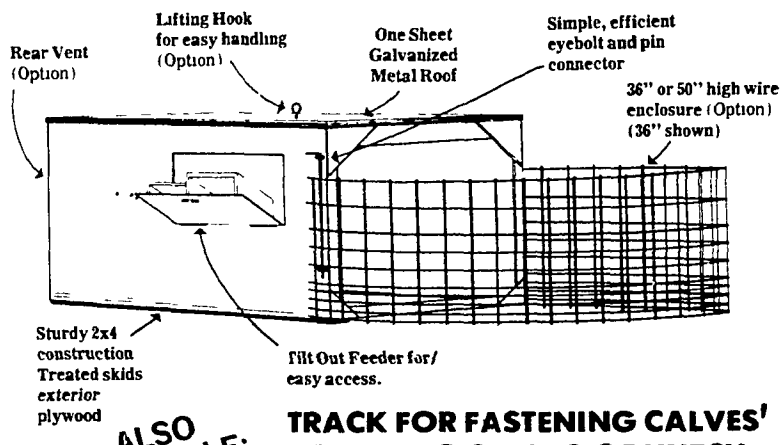
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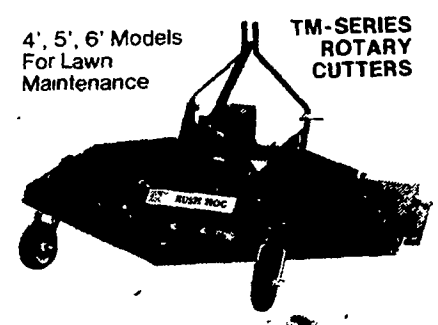
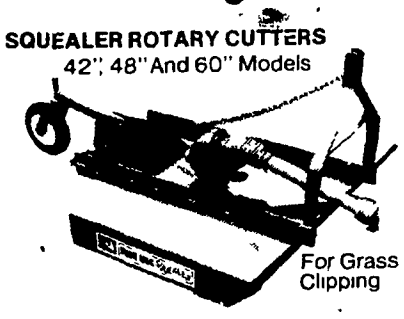


TM-SERIES ROTARY CUTTERS
4', 5', 6' Models For Lawn Maintenance



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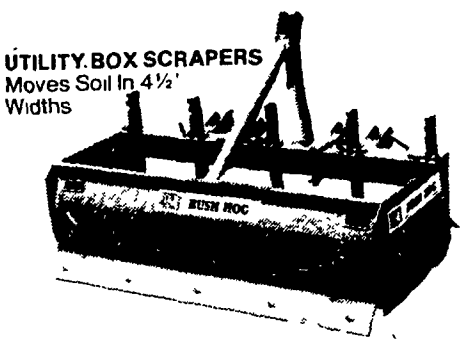
42", 48" And 60" Models
For Grass Clipping



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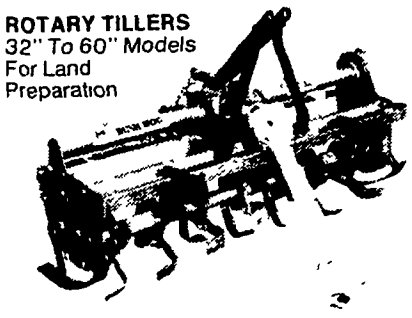

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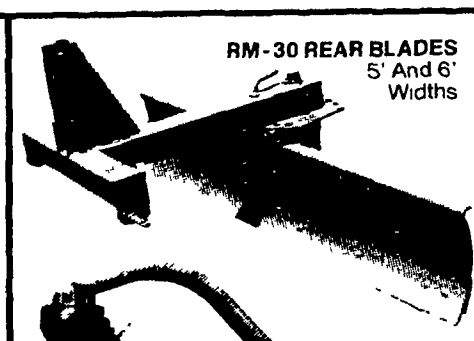
32" To 60" Models For Land Preparation



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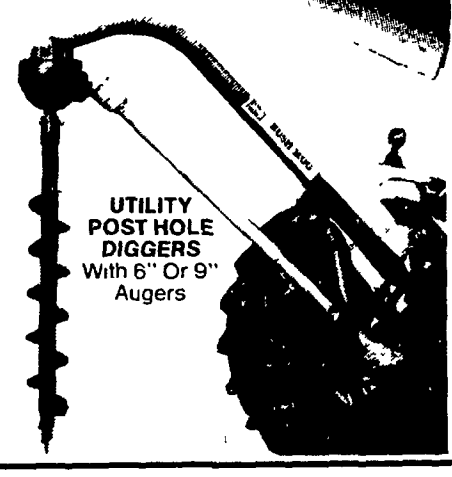
5' And 6' Widths



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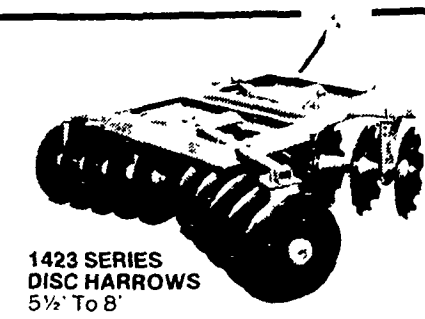

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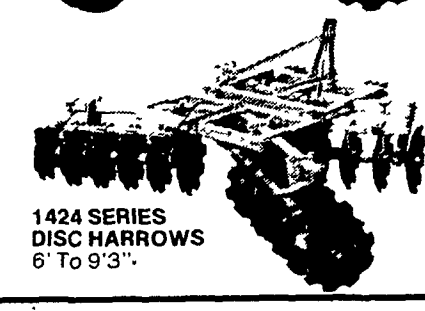

1424 SERIES DISC HARROWS
6' To 9'3"

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1560 SOIL HOG Coulter Chisel

The Bush Hog 1560 Soil Hog Coulter Chisel gets into fields right after harvesting... cuts through compacted soil and residue, shatters plow sole to hold valuable winter moisture.

This rugged line of coulter chisels is designed for smooth, non-stop minimum tillage. Coulter scrapers are standard equipment to eliminate plugging problems. With either rigid or spring-cushioned shanks you get 32" of trash clearance. The staggered shank arrangement provides a better soil mix, improves trash flow.

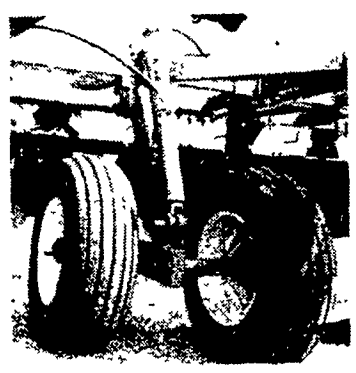
With 180° wing fold, narrow transport widths, and tandem axles, Bush-Hog Coulter Chisels handle with ease during transport and are easy to store.

SPECIFICATIONS

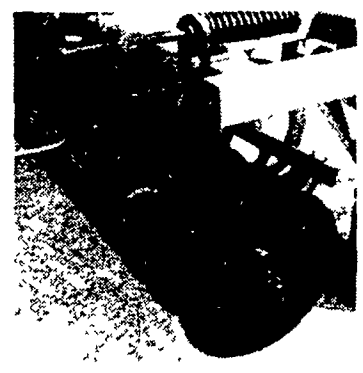
Widths: 6'3" to 26'3" (five rigid frame models, four wing models)
Coulter gang: 20" diameter, 7 gauge blades, 1½" gang bolt 7½" blade spacing triple-lip sealed ball bearings, trunnion-mounted
No. coulters: 11 to 43
Coulter scrapers: Standard equipment
Rigid shanks: 1½"x2"w 32" clearance, shear bolt protection
Spring-cushion shanks: 1¼"x2"w 32" clearance
Shank spacing 15"
No. shanks: 5 to 21
Shank Points: 4" wide helical type
Tongue: 2"x4" steel tubing, 96" long — with reversible clevis - eye hitch, hose hose holder and jackstand Tongue on models 16'3" and larger is 3" x4" tubing, 121" long
Frame construction. 4 square all welded steel tubing
Depth control. 12" ASAE hydraulic cylinders, hoses and depth stops
Wheels: 6-bolt heavy duty hubs 11Lx15 - 8 ply tires recommended
Minimum drawbar HP recommended: 75 to 315
Approximate weight: 3125 to 13,125 lbs (500 lbs foot)

ALSO AVAILABLE
Trail hitch for pulling gear
Hard - surface shank points
Coulter blades - 22" diameter, 7 gauge

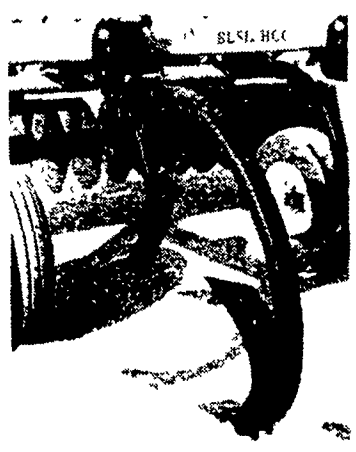
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



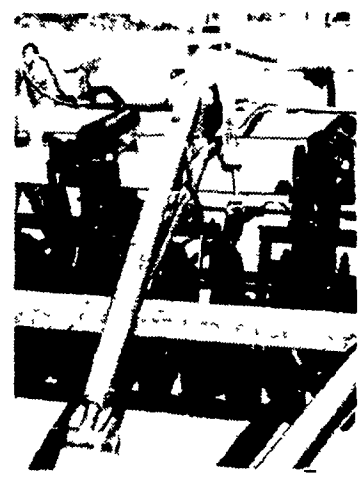
Tandem axles are standard for all wing models—for precise depth control, greater flotation, trash clearance, and easier transport.



Operating depth of the coulter blades is controlled by a hand crank—a fast and simple one-man operation.



Rigid shanks are recommended for use in soils free of rocks and stumps. Shear pin protection is standard equipment. Shanks contact the soil at a reduced angle, requiring less HP and fuel.



Precise front-to-rear leveling is fast and easy with a simple turnbuckle adjustment on the tongue.

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Fuel savings

(Continued from Page D14)

the 1979 OPEC price increase is evident in their 10-percent reduction in energy use between 1978 and 1980. This marked the first major decline in farm energy use since World War II," Duncan says.

Relatively stable farm production between 1978 and 1980 helped make this decline possible, but fuel price hikes also prodded farmers to accelerate their drive toward greater fuel efficiency. One sign was the increasing popularity of minimum-till cultivation, which conserves fuel by reducing the number of runs through a field by heavy equipment.

Shift to diesel

Another contributor to fuel conservation was the continuing shift to diesel-powered engines, which are about 25 percent more efficient than gasoline engines. In 1974, most farm equipment ran on gasoline. Farmers used about 3.7 billion gallons of gasoline and only 2.6 billion gallons of diesel fuel.

By 1980, however, the situation had changed: 3.2 billion gallons of diesel fuel were used on farms, compared with 2.9 billion gallons of gasoline. Last year, both figures were down, as farmers used an estimated 3.0 billion gallons of diesel fuel and 2.4 billion of gasoline.

"The result of these energy-saving measurers was a 17-percent drop in energy use per unit of agricultural output from 1974 to 1980. In other words, less energy was expended to produce each bushel of wheat, bale of cotton, and pound of meat," Duncan says.

This year's huge acreage reductions will mean some backtracking on that progress because farmers will not achieve the maximum production potential of their energy use. However, Duncan anticipates further gains in farm production efficiency even if the rates aren't as dramatic as they were in the 1970's.

Indirect energy

While overall energy use in agriculture dropped between 1978 and 1980, the savings all came directly from the farm side. Partially offsetting farmers' 10-percent reduction in direct energy use was an increase in indirect energy use in agriculture, primarily for the manufacture of farm inputs. Minimum tillage, for example, requires less tractor fuel, but more petroleum-based chemicals to fight weeds and insect pests.

In essence, farmers have substituted pesticides and, to some extent, fertilizers for relatively more expensive fuel. Also, farmers have turned increasingly to off-farm facilities for crop drying, thus shifting—not eliminating—energy consumption for this function, according to Duncan.

On balance, total agriculture energy consumption—direct and indirect uses combined—fell 2 percent from 1978 to 1980. This compares with a 7-percent increase in consumption from 1974 to 1978.

On the farm, energy conservation is dramatically apparent in fuel consumption statistics. In 1978, farmers used 6.8 billion gallons of gasoline and diesel fuel combined. By 1982, they used only 5.4 billion gallons. Direct energy use on the farm is expected to decline further during this decade. This year, USDA projects farm use at only 4.6 to 4.9 billion gallons, but the figure reflects PIK and the other acreage reduction programs along with continued conservation.

Others save, too

Agriculture isn't the only area of the economy to show marked decreases in fuel consumption. Stung by soaring energy costs, Americans sought new ways to get the most out of their energy dollars. Meanwhile, the worldwide recession triggered a sharp drop in fuel demand as industrial production slowed down.

In mid-1981, gasoline and diesel prices began to follow the decline in consumption. By April 1982, farm gasoline prices were 12 percent below the spring 1981 peak. Although prices began creeping up soon afterward, the persistent oversupply of crude oil—and the inability of OPEC members to control production—forced down prices again early in 1983.

Today, production ceilings of OPEC nations are being reduced from an aggregate of 18.8 million barrels a day to 17.5 million, a reduction of nearly 60 percent from the 1973 limit of 31 million barrels a day. The OPEC benchmark crude oil price has been reduced from $34 a barrel to $29. Further cuts by non-OPEC members may force the price even lower.

One result, Duncan says, is that bulk gasoline prices may average only around $1.17 cents a gallon this year down from last year's $1.23 even with the 5-cent increase in the federal excise tax this past spring. Diesel fuel prices may average as low as $1 a gallon, down 11 cents from 1982, he adds.

While it's difficult to predict volatile fuel prices into the future, indications are that they won't stay down for too long.

USDA asks comments

WASHINGTON, D.C. — The U.S. Department of Agriculture is requesting comments on whether commodity inspection certificates should continue to show all grading factor information determined during an inspection.

USDA Federal Grain Inspection Service Administrator Kenneth A. Gilles said:

"Under current regulations of the Agricultural Marketing Act of 1946, all grading factor information must be shown.

"However," he said, "a trade association has recommended that the regulations be changed to require that the commodity inspection certificates only show the grade, unless factor information is requested by the buyer.

"Association members said they have experienced difficulty with the present certification procedure," Gilles said, "because the additional factor information that is nore requested by the buyer confuses both buyers and financial institutions and results in delayed payments to financial institutions."

Before January 1976, USDA inspection certificates for graded commodities only showed the grade of the commodity. Factor information was reported only when requested by the applicant.

"This practice was changed to provide both buyers and sellers with equal information on the quality of the commodity involved, help processors maintain better quality control of their products, and promote truth-in-certification of products," Gilles said.

Commodities involved are beans, peas, lentils and rice.

Comments may be submitted in duplicate by Sept. 5 to Lewis Lebakken, Jr., Regulations and Directives Management, USDA, FGIS, Room 0667-S, Washington, D.C. 20250. Telephone (202) 382-1738.

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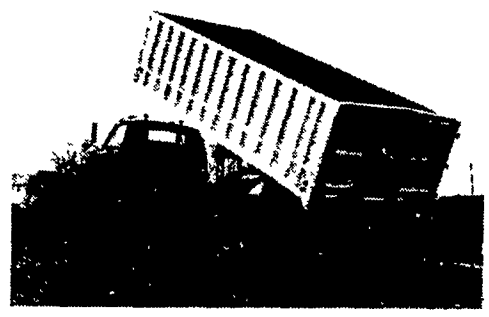

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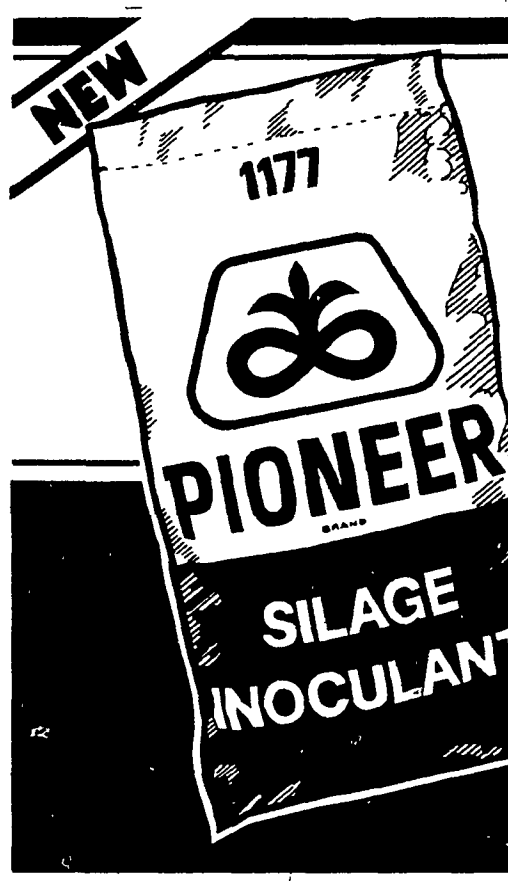

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Ag Progress - How to get there & what to do

Activities for 1983 Ag Progress Days will start at 9 a.m. and end at 5 p.m. on Tuesday and Thursday. Hours on Wednesday will be 9 a.m. to 7 p.m.

Ask the Specialists

If you have questions relating to animal and plant production, turfgrass management, insect and disease control, visit with Penn State specialists in an area of the College of Agriculture Tent. Faculty will be on hand all three days to provide useful and timely information.

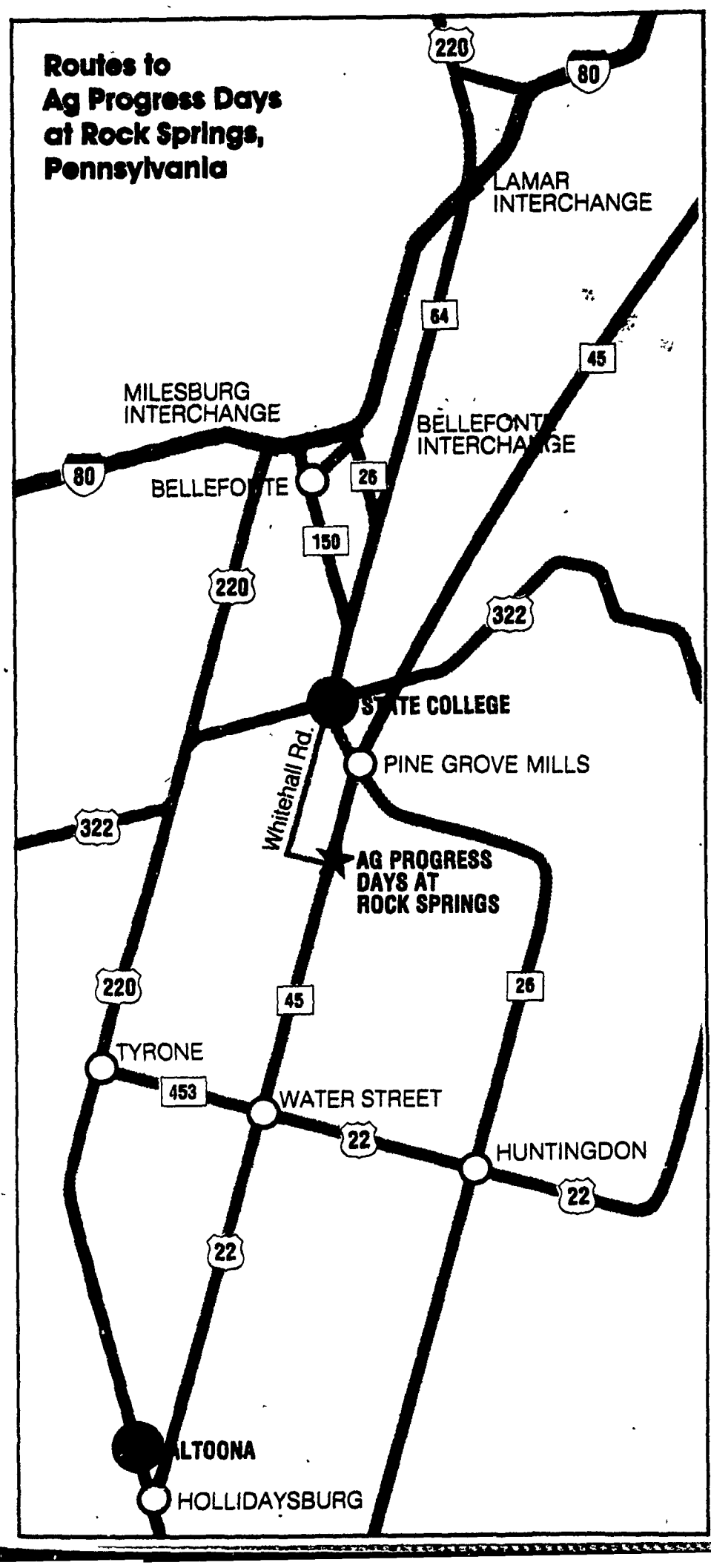
Machinery Demonstrations

Tuesday, Wednesday, and Thursday (weather and crops permitting).

10 a.m.	Conservation Planting
10:30 a.m.	Primary Tillage
12 noon	Corn Chopping
1 p.m.	Silage Bagging
1:30 p.m.	Hay Mowing and Raking
2 p.m.	Secondary Tillage
3 p.m.	Hay Baling

Tours of Research Plots

Take a bus tour of the college's cooperative field research in agronomy, entomology, horticulture, plant pathology, and the USDA Pasture Research Laboratory. Buses will leave every 20 m nutes between 10 a.m. and 3 p.m. all three days.



Conservation Education Tours

All three days buses will leave from the west end of the 11th Street from 11 a.m. to 4 p.m. to tour the conservation research demonstration area. Demonstrations will include ways to reduce erosion, improve water quality, get the most from your woodland, and improve pastures with Brassica, cool and warm weather grasses.

Forage Program

The state's best hay and silage samples will be entered in the Hay Show and Hay Crop Silage Show. Farmers entering outstanding samples will be recognized.

Dairy and Livestock Programs

A variety of animals will be housed in the Dairy and Livestock Tent, including the African blue duiker, a small ruminant used by Penn State scientists for digestion trials. Also, numerous commercial, breed association, and college exhibits will focus on animal nutrition, reproductive physiology, and housing.

Family Living Program

Family living exhibits and activities in the College of Agriculture Tent will focus on aspects of health and safety, housing, clothing, creativity, nutrition, finances, food, family relationships, home appliances, and home computers. Specialists will be on hand for individual assistance and group discussions on these topics.

Theatre Programs

Numerous home- and garden-related presentations will be featured on the theatre stage all three days. Topics will include new ways with homegrown produce, foods and nutrition, selecting home equipment, recreation, arts and crafts, and music.

Forest Resources Activities

Take a woodland tour and see the latest forest management practices, timber harvesting techniques, and logging equipment. Exhibits will emphasize forest products and their relation to timber management.

Safety

Fire safety for agricultural buildings will be featured. Demonstrations and displays will emphasize fire restrictive construction, early fire detection devices, and self-contained sprinkler systems. The annual 4-H Safe Tractor Driving Contest is scheduled on August 25 at 10:30 a.m. There also will be free testing and screening for blood pressure, diabetes, glaucoma, and hearing loss and a Pennsylvania Agricultural Safety Council exhibit.

Ag Museum

Visit the Jerome K. Pasto Ag Museum and see many interesting agricultural and household items dating back to the age of muscle power for men, women, and domestic animals. The museum was built in 1978 with donations provided by Ag alumni and other friends of Penn State.

4-H Activities

Many exciting 4-H activities for youth will be presented all three days. Included will be educational demonstrations, horsemanship, dog care and training, chick hatching, health, and sheep management.

College of Agriculture Tent Activities

Exhibits and programs in the College of Agriculture Tent will focus on efficient animal and crop production, financial management, and saving energy. Student information on courses of study and careers in agriculture also will be highlighted.

Commercial Exhibits

More than 250 commercial companies will display their products at Ag Progress Days, including farm machinery, buildings, silos, animal feeds, hybrid seed corn plots, lime and fertilizers, crop seeds, farm chemicals, and many farm and home supplies.

Ag Alumni Tent

If you're a Penn State Ag alum, stop by the College of Agriculture Alumni Society Tent to see old faces, renew old ties, make new ones, and swap stories. Society members will help bring you up-to-date on college projects and activities.

Free Admission and Parking

There are no parking or admission charges for Ag Progress Days, one of the largest annual summer outdoor agricultural events held in the East. Activities are planned to interest both rural and urban persons.

No Overnight Parking

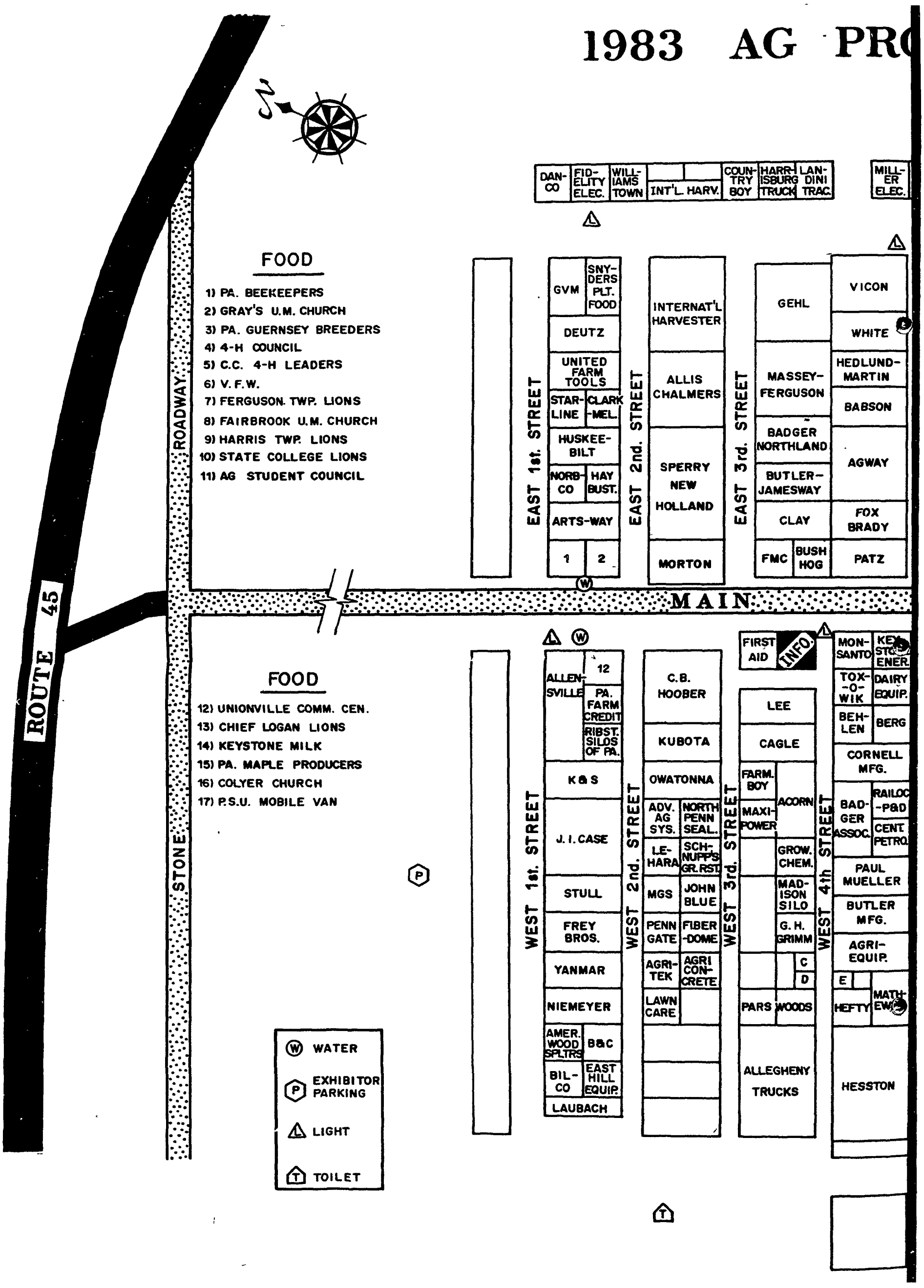
Vehicle parking for overnight residence will not be permitted at the Rock Springs Agricultural Research Center.

Tentative 1984 APD Dates

Tentative dates for the 1984 Ag Progress Days are August 21-23. The Rock Springs Agricultural Research Center is the permanent site for the event.

Bus Service

The Centre Area Transportation Authority will provide reasonable priced hourly round-trip bus service between State College and the Ag Progress Days site from 8:45 a.m. Service will originate at the intersection of College Avenue and Allen Street. Passengers also may board buses at any scheduled stop along the route.


1983 AG PRO
N
FOOD
1) PA. BEEKEEPERS
2) GRAY'S U.M. CHURCH
3) PA. GUERNSEY BREEDERS
4) 4-H COUNCIL
5) C.C. 4-H LEADERS
6) V. F. W.
7) FERGUSON. TWP. LIONS
8) FAIRBROOK U.M. CHURCH
9) HARRIS TWP. LIONS
10) STATE COLLEGE LIONS
11) AG STUDENT COUNCIL
FOOD
12) UNIONVILLE COMM. CEN.
13) CHIEF LOGAN LIONS
14) KEYSTONE MILK
15) PA. MAPLE PRODUCERS
16) COLYER CHURCH
17) P.S.U. MOBILE VAN
ROUTE 45
STONE ROADWAY
MAIN
DAN-CO
FID-ELITY ELEC.
WILL-IAMS TOWN
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COUN-TRY BOY
HARR-ISBURG TRUCK
LAN-DINI TRAC.
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EAST 1st. STREET
GVM
SNY-DERS PLT. FOOD
DEUTZ
UNITED FARM TOOLS
STAR-LINE
CLARK -MEL.
HUSKEE-BILT
NORB-CO
HAY BUST.
ARTS-WAY
1
2
EAST 2nd. STREET
INTERNAT'L HARVESTER
ALLIS CHALMERS
SPERRY NEW HOLLAND
MORTON
EAST 3rd. STREET
GEHL
MASSEY-FERGUSON
BADGER NORTHLAND
BUTLER-JAMESWAY
CLAY
FMC
BUSH HOG
VICON
WHITE
HEDLUND-MARTIN
BABSON
AGWAY
FOX BRADY
PATZ
WEST 1st. STREET
ALLEN-SVILLE
12
PA. FARM CREDIT
RIBST. SILOS OF PA.
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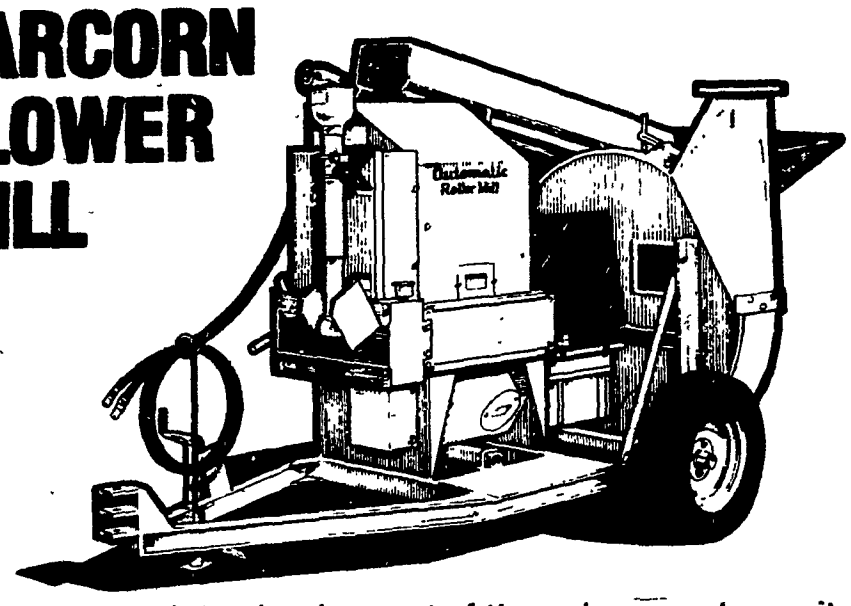
the one that keeps rolling when others quit!

Automatic EARCORN BLOWER MILL



Automatic pioneered the development of the unique crusher unit which shells corn and shreds the cob ahead of the rollers which crack the kernels and reduce the cob further. No troublesome screens to change or slow down the capacity. It comes with 8-foot hydraulic intake auger and 54-inch blower. Also available with an 11-inch tilting discharge auger with 10-foot reach in place of the blower.

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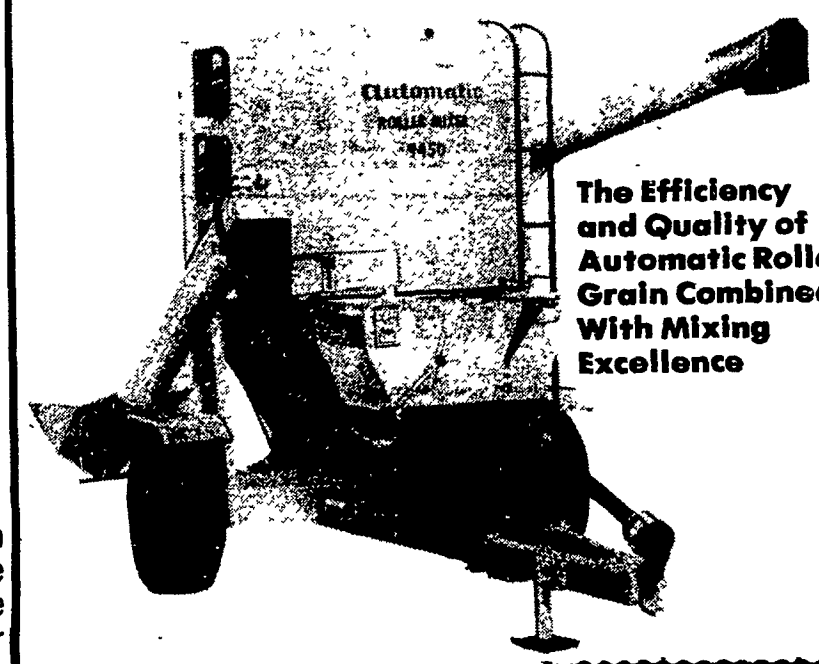

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BONITA feed conveyors are built for endurance and convenience

SUPER-TOUGH CONSTRUCTION MEANS TOP PERFORMANCE YEAR AFTER YEAR! Bonita single chain feed conveyors offer capacity and endurance to spare. Their extra wide 10¼" troughs combine with rugged 16 gauge steel frame, even heavier gauge head and base sections and special reinforcements at points of greatest stress to withstand heaviest service.

And check these additional strong points.

- heavy-duty roller chain final drive stage
- self-cleaning base section...avoids stopage due to pockets of frozen material
- sealed ball bearings on large 1-1/8" dia. head and foot shafts
- special sprockets with relief at tooth roots to help prevent buildup of materials
- totally enclosed chain return for maximum safety; also eliminates feed carryover
- easy parts replacement with all bolted construction
- low operating, maintenance costs
- conveying lengths up to 44 feet

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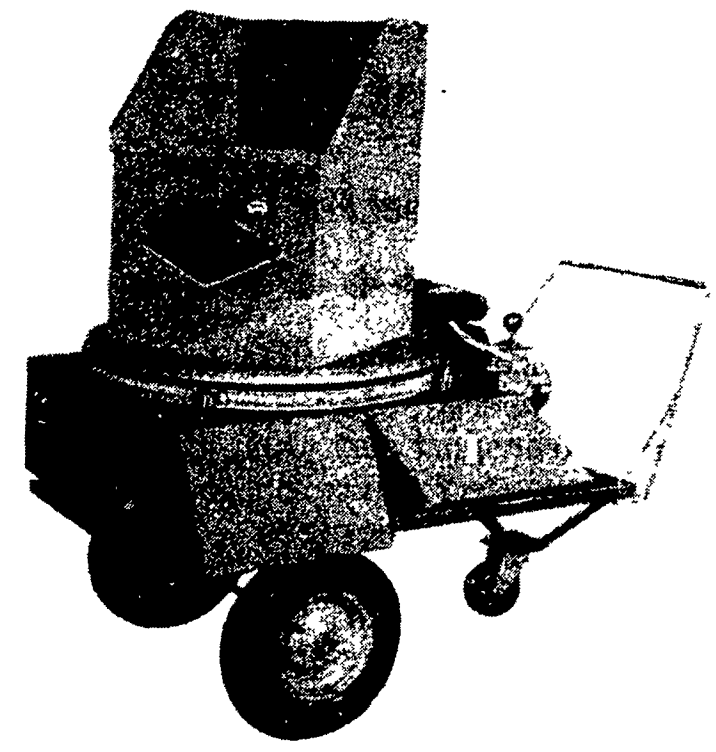

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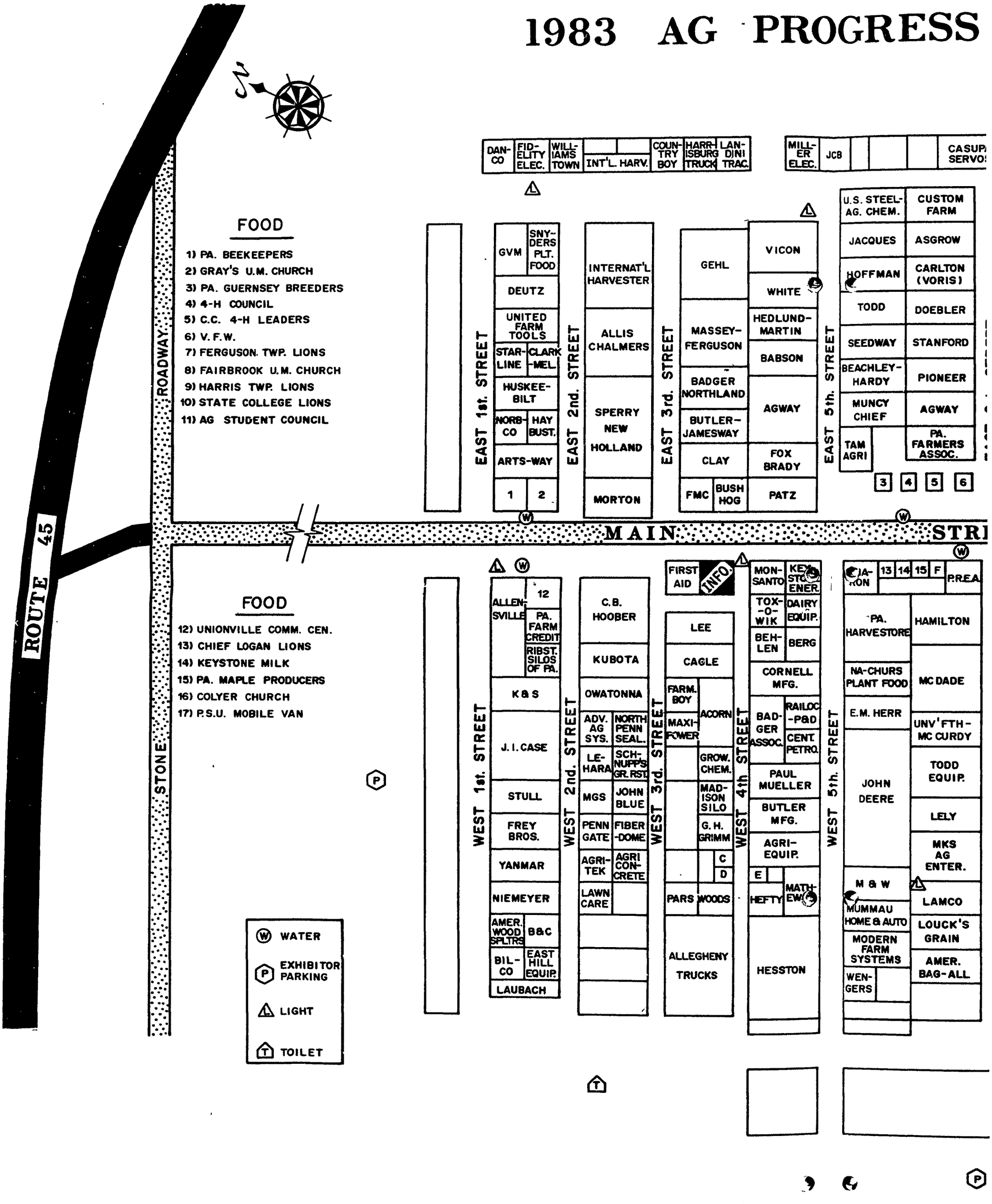
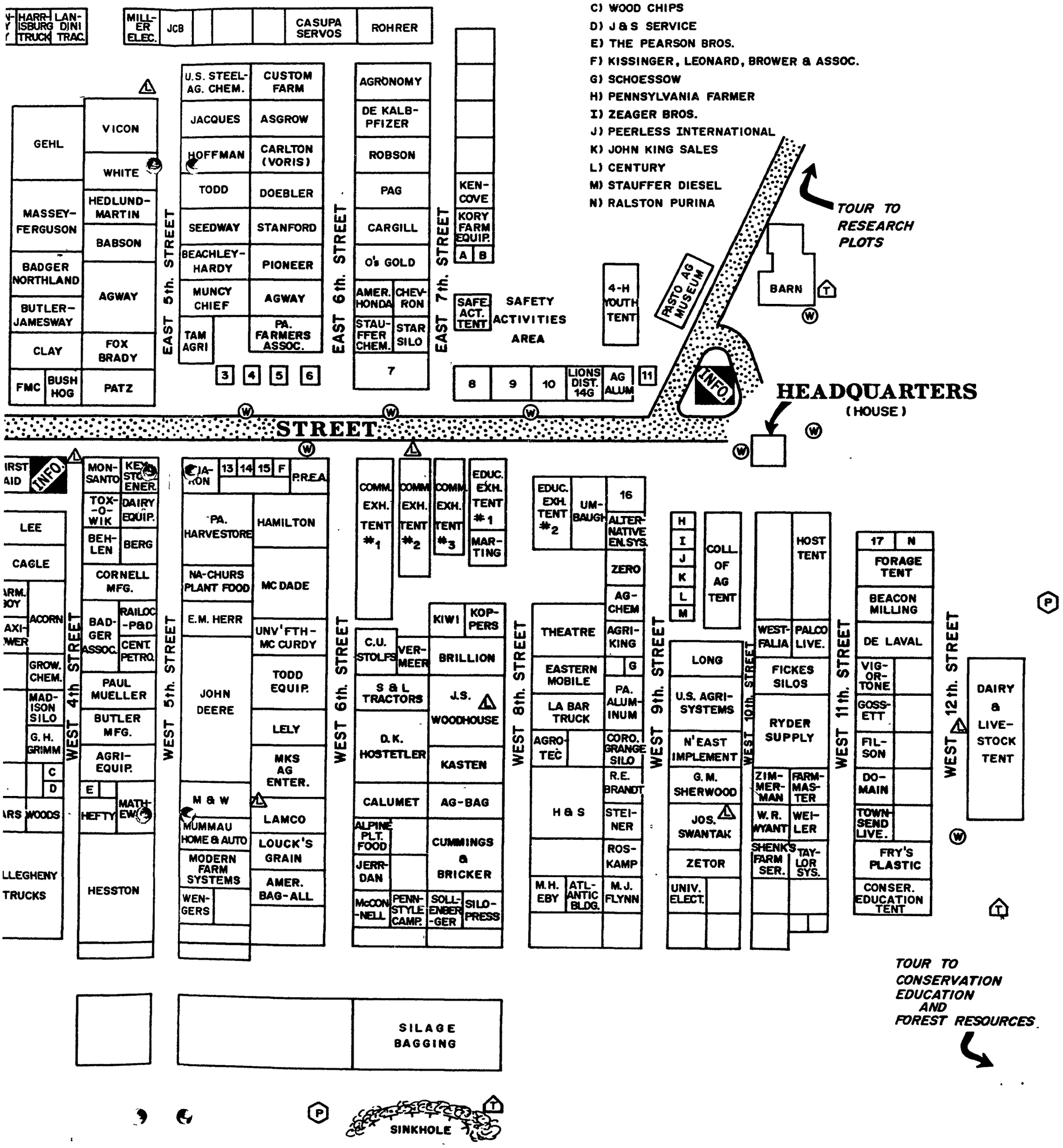


AG PROGRESS DAYS EXHIBITORS



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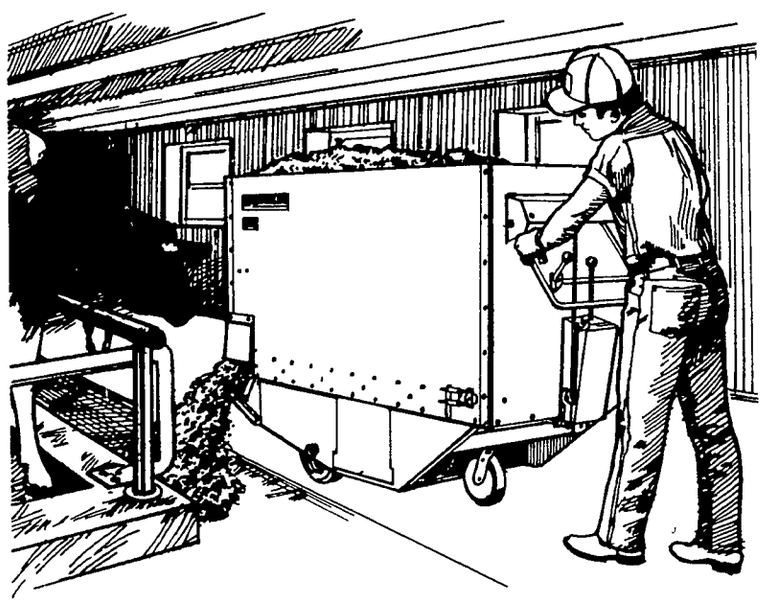

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You'll feed more cows in less time — easier — with a new Weaverline Series 300 battery-powered feed transport cart. Just load it full. Throw it in gear. And you're on your way to feed silage, haylage or other feed — quickly — conveniently.

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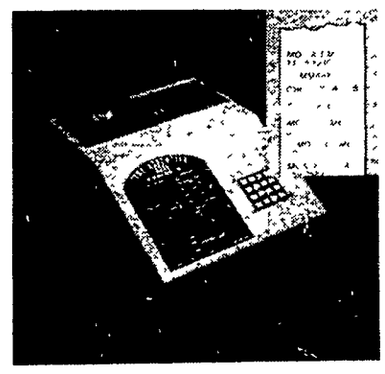

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- Each cow wears an inexpensive, reliable identification tag.
- Cows can feed at any feeding station.
- Feeding auger automatically stops when cow steps away.
- Each cow receives only the amount of feed you have programmed for it.

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any time. Each pr
management infor
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- Amount of feed
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Total herd man

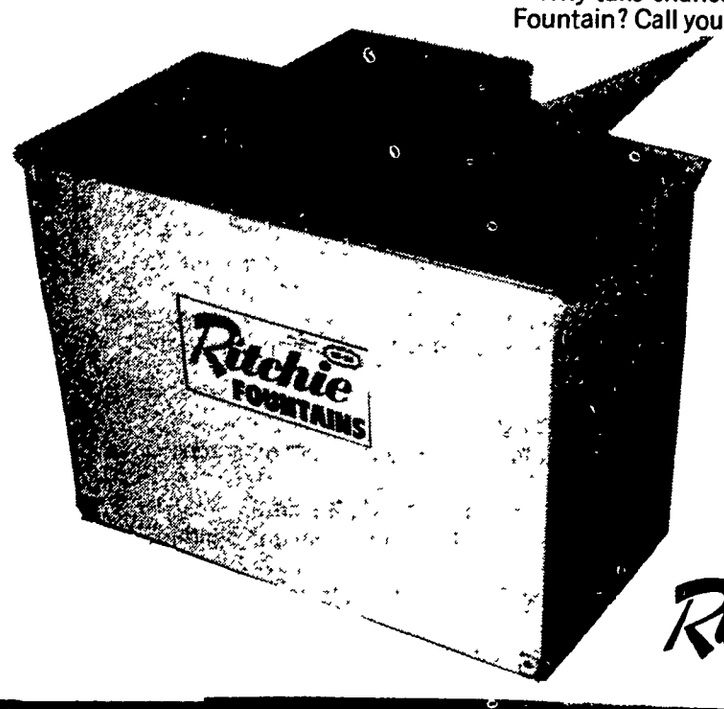
For a total dairy Selective Feeder Management Syst office on the Ze programs allow y production and fe computer system. For more informati for free product lit

Ritchie® Fountains deliver. Even in the dead of winter they are out there working. You're not.

Weatherproof. You bet they are. Heating systems and efficient insulation keep water ice-free... just set the Watt Watcher™ thermostat for minimal energy use. Big-throated, non-stick plastic valves keep water gushing in. Each of your cows get all of the water they need to promote peak production.

Ritchie Fountains are tough, too. Quality-built with rugged heavy galvanized steel and CD-50® expoxy finish to stand up to weather and barnlot abuse.

Why take chances on anything less than a red and yellow Ritchie Fountain? Call your Ritchie dealer for water that won't quit.



WATER THAT WON'T QUIT

RELAX... Ritchie WATERS 'EM RIGHT™

SEE US AT
AG PROGRESS DAYS
AUGUST 23, 24 and 25

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CHAMBERS

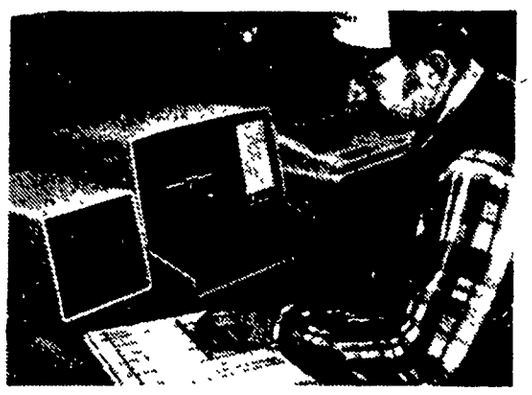
EXECUTIVE" 8085
SERIES II
olled Dairy Feeding System

- Program Each Cow to receive the amounts of feed as compared to production.
- Easy To Operate
- Simple Installation

Money-saving management tool

You can get a printout from the Executive 8085 at any time. Each printout gives you the valuable feed management information:

- Amount of feed programmed for each cow
- Amount of feed dispensed to each cow, this cycle
- Amount of feed dispensed to each cow, this month
- Summary of previous cycle.



You can quickly spot problem cows by asking the computer to print out all cows not eating 75% of their programmed ration.

Total herd management system

For a total dairy management system, connect your Selective Feeder System with our Zenith Farm Management System. Readouts are available in your office on the Zenith computer. Optional software programs allow you to integrate health, breeding, production and feeding management programs in one computer system.

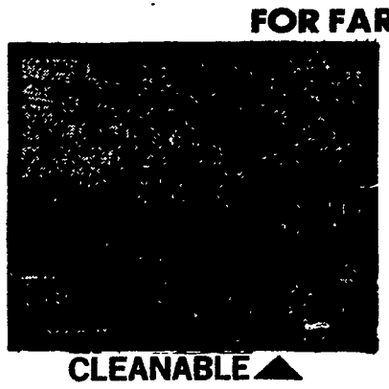
For more information write for free product literature.

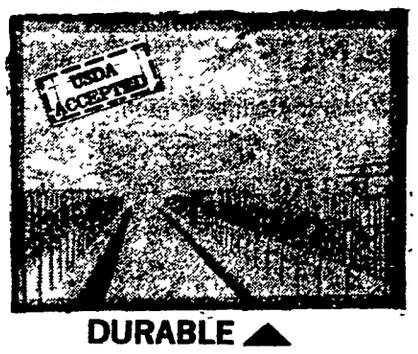
SFC Selective Feeder Co

GLASBORD®

ELIMINATES THE EPOXY AND OTHER YEARLY COSTLY MAINTENANCE TO WALLS AND CEILINGS

FOR FARM BUILDINGS





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FIBERGLASS REINFORCED PLASTIC PANELS & ROLLS

- **GLASBORD® IS TOUGH**
  - ACID SCRATCH AND ABRASION RESISTANT
- **GLASBORD® INSTALLS EASILY**
  - MILKING PARLORS, HOLDING ROOMS, OFFICES, SLAUGHTER HOUSES
- **GLASBORD® RESISTS DIRT**
  - WILL NOT STAIN, CORRODE
  - RESISTS ANIMAL WASTES
  - CLEANS WITH ORDINARY METHODS

IN STOCK - AVAILABLE NOW

3/32 & 1/8" THICKNESS, 4 x 8 FT. PANELS
3/32 & 1/8" - 4 x 40 AND 4 x 45 FT. ROLLS

ALL CORNER MOLDING AND FASTENERS

VINYL MOLDINGS ARE AVAILABLE TO GIVE A FINISHED APPEARANCE & A WATERTIGHT INSTALLATION.

The Best and Largest Line of Specialties Available Anywhere

• MANURE HANDLING •
- ☐ OIL MATIC Hydraulic Transfer Pumps
- ☐ H.D. Chain Barn Cleaners
- ☐ AGROMATIC Cable Barn Cleaners
- ☐ FEED EASY Vacuum Tanks

• POWER FEEDING •
- ☐ WEAVERLINE Powered Silage Carts
- ☐ ROTO FEEDERS (Lazy-Susan)
- ☐ S.S. Shaker Feeders
- ☐ WARNER Flex-Flo Auger Systems

• SELF FEEDING •
- ☐ EXECUTIVE Computer Dairy Feeder
- ☐ IDEAL Round Cattle Feeders
- ☐ IDEAL Hog Feeders
- ☐ Fiberglass Push Silage Cart
- ☐ Mineral & Salt Feeders
- ☐ CIRCLE Bulk Storage Bins 3-50 tons

• FEED •
- ☐ Automatic Feed Processors
- ☐ Automatic Roller Mills
- ☐ Automatic Ear Corn Mills
- ☐ Electro Feed Centers
- ☐ Portable Roller Mixer
- ☐ Automatic Roller Mixer

• MY-D HAN-D•
- ☐ Head Gates
- ☐ Squeeze Chutes
- ☐ Portable Corrals
- ☐ Bale Elevators
- ☐ 3 Pt. Bases with Forks
- ☐ Speed Wagons
- ☐ Slant Bar Hay Feeders
- ☐ Automatic Micro-Mist Sprayers

• LIVESTOCK WATERERS •
- ☐ RITCHIE Cattle Waterers
- ☐ RITCHIE Hog Waterers
- ☐ IDEAL Stock Tanks
- ☐ RITCHIE Hog Fount-S.S. Construction

• SPECIALTIES •
- ☐ KEMLITE Glasbord
- ☐ IDEAL Farrowing Crates
- ☐ IDEAL Tubular Gates
- ☐ Livestock Scales
- ☐ Ornamental Windmills
- ☐ COR-TEC Buildings
- ☐ Bedding Choppers
- ☐ Electro Feed Centers (Hammermill)
- ☐ Push Button Water Bowls

• BARN EQUIPMENT •
- ☐ Water Bowls
- ☐ Cow Mats
- ☐ Free Stalls
- ☐ Comfort Stalls
- ☐ Ventilating Systems (Exhaust & Tube)
- ☐ Kozy-Komfort Calf Stalls

• SILAGE & GRAIN HANDLING •
- ☐ FEED EASY Double Auger Silo Unloaders
- ☐ Silage Conveyors
- ☐ (TMR) Mixer-Feeder Wagons
- ☐ Supplement Meters
- ☐ Dump Scales
- ☐ H.D. Transport Augers
- ☐ 4" 6" Utility Augers
- ☐ CIRCLE Storage Bins
- ☐ CIRCLE Crop Dryers
- ☐ SHIVVERS Inbin Continuous Flow Drying Systems
- ☐ MAYRATH 6" & 8" Transport Augers
- ☐ MAYRATH Double Chain Conveyors

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leating systems and efficient
st set the Watt Watcher™
ig-throated, non-stick plastic
your cows get all of the water

uality-built with rugged heavy
finish to stand up to weather

than a red and yellow Ritchie
vater that won't quit.

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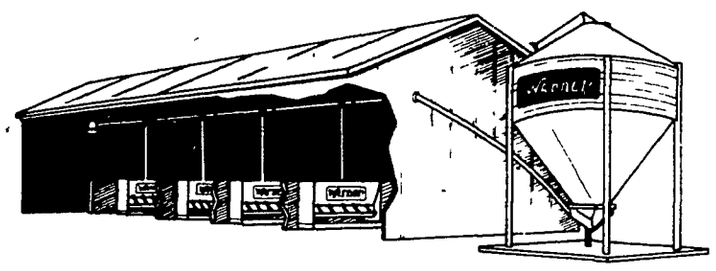
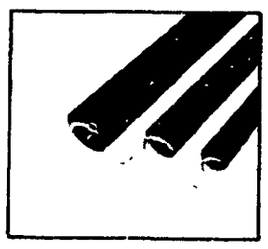
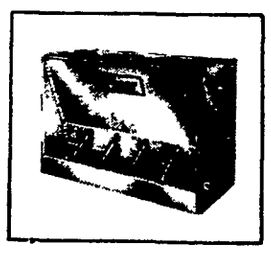


Flex-Flo delivers feed and savings

Cut your livestock feeding costs with Warner's custom engineered Flex-Flo feed delivery systems. Flex-Flo automatically delivers from 1000-6000 pounds per hour of clean, dry feed up to 300 feet from the bin. The specially formulated corrosion-proof PVC tubing provides maximum flexibility and quiet, rust-free operation.

A Flex-Flo system that meets your operation's needs can be engineered using Warner's array of modular components, all designed for convenient assembly and long life. To find out more about how Flex-Flo systems can deliver bigger profits for you, call or write today.





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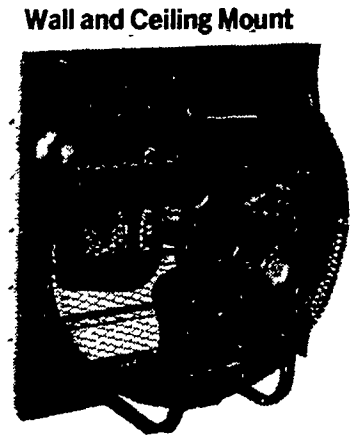
IDEAL®
Livestock Equipment

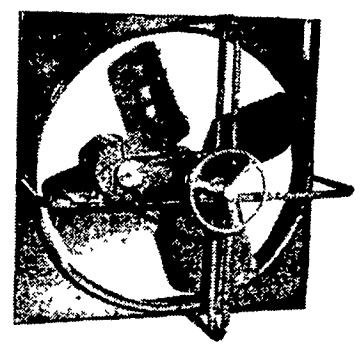
■ FARROWING CRATES
■ STACKED NURSERY PENS
■ HOG FEEDERS
■ RAISED CRATE DECKS

LEISS MANUFACTURING
VENTILATION EQUIPMENT For The Farm

Wall and Ceiling Mount



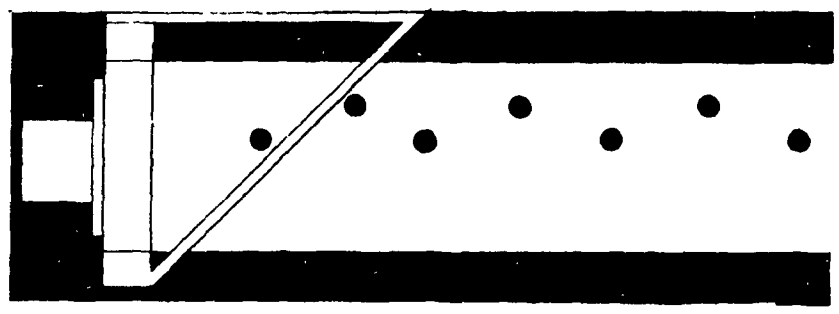
12 to 24 inch
Direct Drive



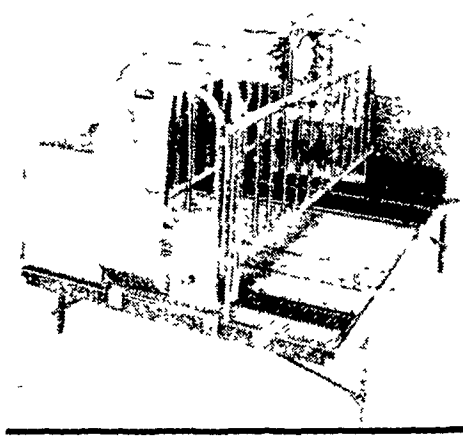
24 to 36 inches
Belt Drive Fans

- Completely automatic, fully assembled ready to operate.
- Heavy gauge corrosion resistant aluminum fan blade.
- Extra sturdy, corrosion resistant pointed steel frame.

Poly Tube Ventilation

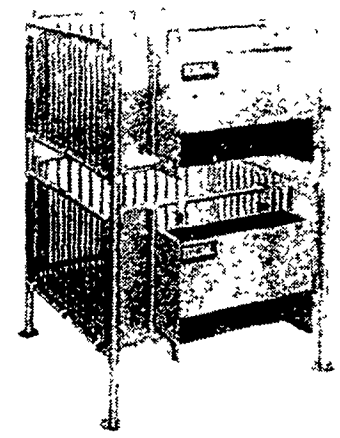


Ventilation For Dairy - Hogs & Chickens



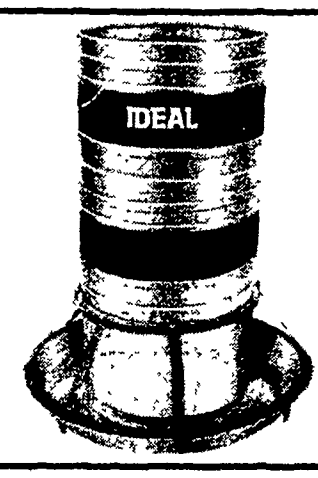
RAISED CRATE DECK

- Increase profit by reducing stress and death loss. Farrow pigs off cold floor.
- Allows economical conversion of existing facilities for crate use.
- Simple to assemble deck and install farrowing crate.
- Cost and problems of pit and liquid manure equipment are eliminated.



STACKED NURSERY PENS

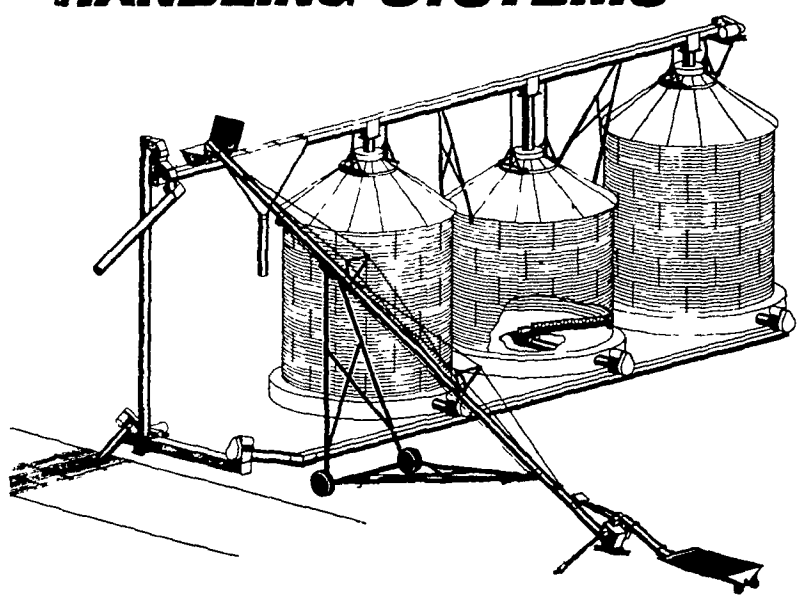
Easy way to increase production in new or existing buildings. Raises pigs up off cold slats, helps reduce stress, death losses and improves gains. Handles up to 10 pigs in 4 ft. x 4 ft. pen, 20 pigs in 4 ft. x 8 ft. size. Modular 4 ft. x 4 ft. units allow expansion side by side or back to back.



STAINLESS ROTARY FEEDER

Entire hopper rotates for positive feed flow; deep lip on optional 8- or 12-divider feed saver grill helps prevent waste. Easy crank-type feed adjustment at top allows clearance for drop tubes of automatic feed systems. Dependable quality.

AUTOMATIC GRAIN HANDLING SYSTEMS

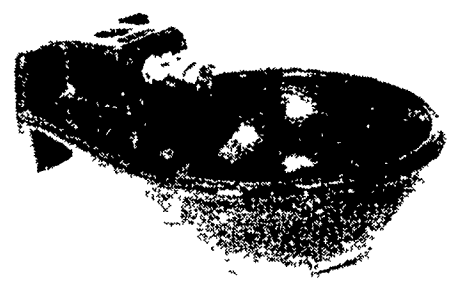


When you start thinking about putting in a grain handling or feeding system — think Sudenga!

Whether you are linking together an existing set of bins, building a complete new storage system, or automating your feeding operation, Sudenga supplies the equipment. We offer custom-designed screw conveyor, drag chain conveyor, and pneumatic conveyor systems to meet any requirement. Out wide range of portable and specialty screw conveyors round out the line.

SUDENGA INDUSTRIES, INC.

PUSH BUTTON WATER BOWLS



- Rugged Casting Which Ensures Years Of Service
- Easy To Keep Clean
- Replaceable Galvanized Bowl
- Low Cost

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B) RICH MAC SYSTEMS
C) WOOD CHIPS
D) J & S SERVICE
E) THE PEARSON BROS.
F) KISSINGER, LEONARD, BROWER & ASSOC.
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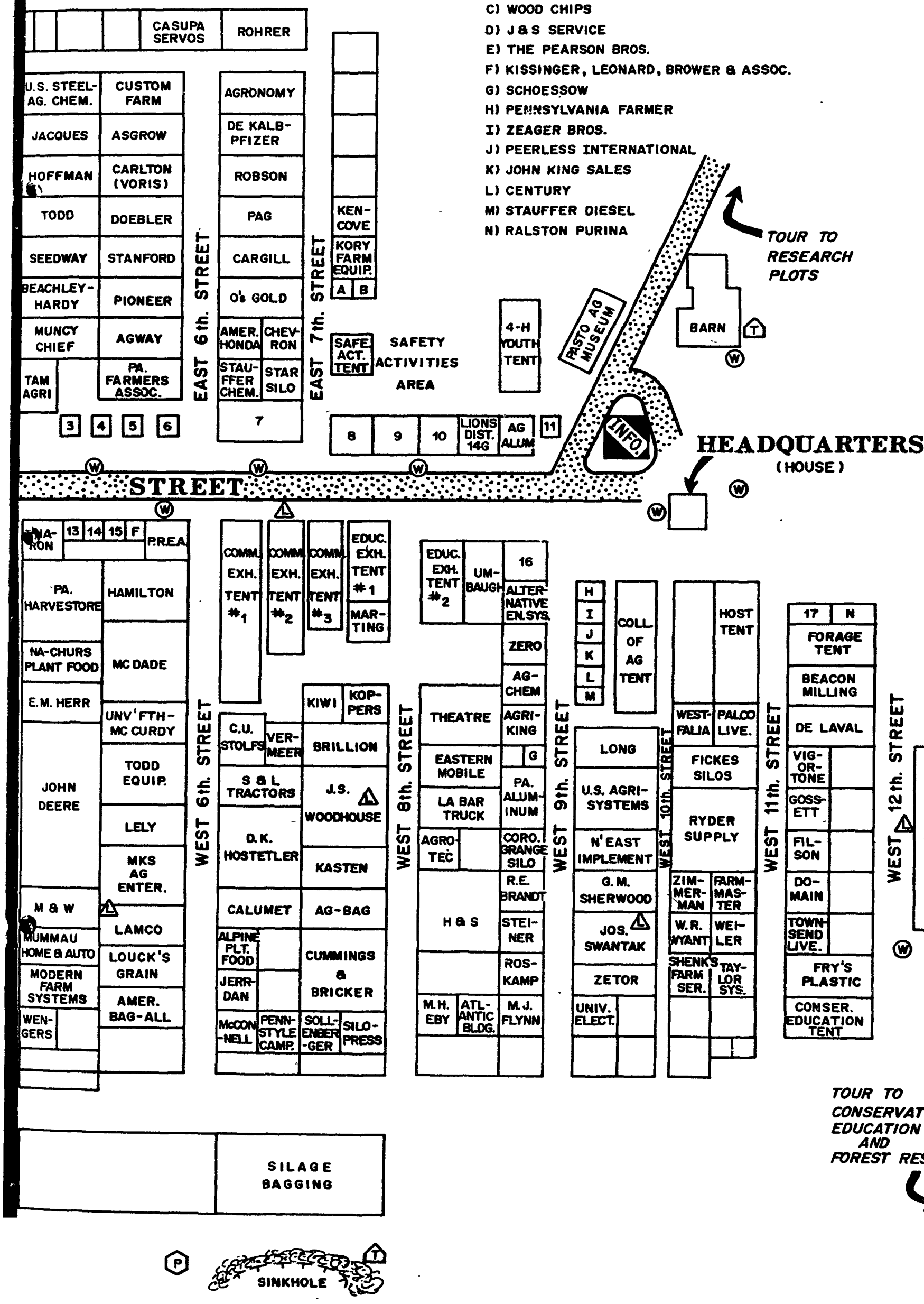
H) PENNSYLVANIA FARMER
I) ZEAGER BROS.
J) PEERLESS INTERNATIONAL
K) JOHN KING SALES
L) CENTURY
M) STAUFFER DIESEL
N) RALSTON PURINA



1983 Ag Progress Days Exhibitors

Acorn E uip. Corp. ... W4
Advanced Ag. Systems, Inc. ... W2
Ag-Bag Corp. ... W8
Ag-Chem Equip. Co., Inc. ... W9
Agri Concrete Products, Inc. ... W3
Agri-Equipment, Inc. ... W4
Agri-King ... W9
Agri-Tech, Inc. ... DLT
Agri-Tek, Inc. ... W2
Agricultural Vendor, Inc. ... CET 2
Agrotec, Inc. ... W8
Agway, Inc. ... E5
Agway, Inc. ... E6
Agway, Inc. ... CET 2
Allegheny Trucks, Inc. ... W3
Allensville Planing Mill, Inc. ... W1
Allis Chalmers Corp. ... E2
Alpine Plant Foods, Ltd. ... W6
Alternative Energy Systems ... W9
American Angus Assoc. ... DLT
American Bag-All Corp. ... W6
American Breeders Service ... DLT
American Cyanamid ... CET 3
American Honda Motor Co., Inc. ... E6
American Wood Splitters, Inc. ... W1
AMS/Oil ... CET 2
Anchor Labs ... DLT
Animark, Inc. ... DLT
Aqua Blast ... CET 1
Aqua Flo - Dist. ... CET 2
Arts Way Mfg. Co., Inc. ... E1
ASCS/USDA ... EET 2
Asgrow Seed Co. ... E6
Atlantic Breeders Co-op ... DLT
Atlantic Building Systems ... W8
Atlantic Dairy Assoc. ... EET 1
B & C Dist. ... W2
Babson Bros. Co. ... E5
Badger Associates ... W4
Badger Northland, Inc. ... E3
Beachley-Hardy Seed Company ... E5
Beacon Milling Co., Inc. ... W11
Behlen Mfg Co. ... W4
Berg Equip. Co. ... W5
Bernina Sew Easy ... EET 2
Big John Corp. ... E7
Bilco Equip. Dist., Inc. ... W1
Blue, John Co. ... W3
Brandt, Rich Farm Real Estate ... W9
Brillion Iron Works ... W8
Bush Hog/R. A. Weaver ... E3
Butler Mfg. Co. ... W4
Butler Mfg. Co./Jamesway Div. ... E3
Cablevey (by Intraco, Inc.) ... CET 3
Cagle Mfg. Co., Inc. ... W3
Calumet Co., Inc. ... W6
Cargill Seeds ... E6
Carlton Seed Co., Inc. ... E6
Carnation Co. ... DLT
Case, J. I. Co. ... W1
Casupa Servos Seed Corp. ... E6
Central Chemical Corp. ... CET 1
Central Petroleum Co. ... W5
Century Mfg. Co. ... W9
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Church & Dwight Co., Inc. ... DLT
Ciba-Geigy ... CET 2
Clark-Melroe ... E2
Clay Equip. Corp. ... E3
Clayton Brokerage of St. Louis, Inc. ... CET 1
ClearWater Conservancy of Central Pa. ... EET 1
Cornell Mfg. ... W4
Corostone Grange Silo Co., Inc. ... W9
Country Boy Mfg. ... E3
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Crisafulli Pump Co., Inc. ... CET 3
Cummings & Bricker, Inc. ... W8
Custom Farm Seed ... E6
Dairy Equipment Co. ... W5
Dairy Improvers, Inc. ... DLT
Danco Products ... E1
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DeKalb/Pfizer Genetics ... E6
DeLaval Ag. Div. ... W11
Delmarva Farmer ... CET 3
Deutz Corp. ... E1
Dickey-John Corp. ... CET 3
Doebler's Penna. Hybrids, Inc. ... E6
Domain, Inc. ... W11
Dow Chemical ... CET 1
East Hill Equip. Corp. ... W2
Eastern Crown, Inc. ... CET 1
Eastern Milk Producers Co-op Assoc. ... DLT
Eastern Mobile Mills ... W8
Eby, M.H., Inc. ... W8
Farm Bureau ... DLT
Farmer Boy Ag, Inc. ... W3
Farmers Home Administration/USDA ... EET 2
Farmmaster, Inc. ... W11
Federal Crop Insurance Corp./USDA ... EET 1
Fertrell Co. ... DLT
Fiberdome, Inc. ... W3
Fickes Silo Company, Inc ... W10
Fidelity Electric Co., Inc. ... E1
Filson Livestock Equip. Co. ... W11
Flexible Steel Lacing Co. ... CET 1
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FMC Finance Corp. ... CET 1
Fox Brady Div., Piper Ind., Inc. ... E5
Frey Bros. Mfg. ... W1
Fry's Plastic ... W11
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Gallagher Spring-Tight Power Fence ... CET 1
Gehl Co. ... E3
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Gossett Nutrition, Inc. ... W11
Grimm, G.H. Co., Inc. ... W4
Growers Fertilizer Solutions ... W4
GVM, Inc. ... E1
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Hach Co. ... CET 1
Hamilton Equip., Inc. ... W6
Harrisburg Truck Body Co. ... E3
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Herr, E. M. Equip., Inc. ... W5
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Hoober, C. B., & Son, Inc. ... W2
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Hotsy Equip. Centre ... CET 1
Huskee-Bilt Corp. ... E1
Hutton, E. F., Co., Inc. ... CET 3
ICI Americas, Inc. ... CET 2
ICI Americas, Inc. ... DLT
Inter-State Milk Producers Co-op ... DLT
International Harvester ... E2
J & S Service Co. ... W4
Jacques Seed Co. ... E5
JCB, Inc. ... E5
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Lamco Mfg. & Dist. Co., Inc. ... W6
Landini Tractors ... E3
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Lebanon Chemical Corp. ... CET 1
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Long Mfg. N.C., Inc. ... W9
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Milk-Rite ... CET 2
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Mobay Chemical Corp. ... CET 1
Modern Farm Systems ... W5
Monsanto Agric. Products Co. ... W4
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Motorola C & E., Inc. ... CET 3
Mueller, Paul Co. ... W4
Mummau Home & Auto Supply, Inc. ... W5
Muncy Chief Hybrids ... E5
Na-Churs Plant Food Co. ... W5
National Weather Service ... EET 2
Needleworkers ... EET 2
Niemeyer Corp. ... W1
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Norbco Equip. ... E1
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Penna. Agricultural Safety Council ... EET 1
Penna. Aluminum ... W 9
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Penna. Assoc. of Conservation District Directors ... EET 2
Penna. Assoc. of Future Farmers of Americas ... EET 1
Penna. Beef Council ... EET 1
Penna. Crop Reporting Service ... EET 1
Penna. Dept. of Agriculture ... EET 1
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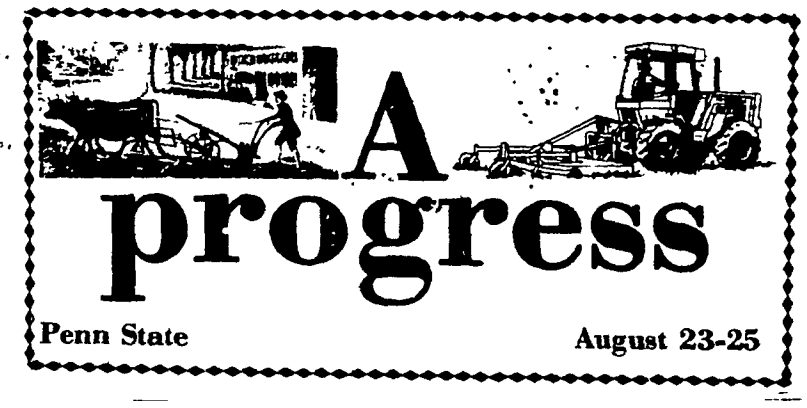
Pioneer Hi-Bred International, Inc. ... E6
Provimi, Inc. ... DLT
Purdy Proportioners ... DLT
Railoc/P & D Cos., Inc. ... W5
Ralston Purina/Farmtronix ... W12
Ration Maker East, Inc. ... DLT
Ribstone Silos of Penna. ... W2
Rich Mac Systems ... E7
Robson Seed Farms Corp. ... E6
Rohm & Haas Co. ... CET 2
Rohrer, P.L., & Bros. Inc. ... E6
Roskamp Mfg., Inc. ... W9
Ryder Supply Co. ... W10
S & L Tractors of North America, Inc ... W6
Schnupp's Grain Roasting, Inc. ... W3
Schoessow, Inc. ... W9
Schwartz Mfg. Co. ... CET 1
Seedway, Inc. ... E5
Select Sires ... DLT
Sharon Metal Products, Inc. ... W5
Shell Chemical Co. ... CET 2
Shenango Steel Buildings, Inc. ... DLT
Shenk's Farm Service ... W10
Sherwood, G.M. ... W9
Silopress, Inc. ... W8
Silverod Supply ... DLT
Sire Power, Inc. ... DLT
Snyders Plant Food Co., Inc. ... E2
Sollenberger Silos Corp. ... W8
Sperry New Holland ... E2
Spraying Systems Co. ... CET 1
Stanford Seed Co. ... E6
Star Silos Inc. ... E7
Starline Products, Inc. ... E1
Stauffer Chemical Co. ... E6
Stauffer Diesel, Inc. ... W9
Steiner Corp. ... W9
Stoltzfus, C.U., Mfg., Inc. ... W6
Stull Co. ... W1
Swantak, Joseph Inc. ... W9
Symo-Life, Inc. ... DLT
Tam Agri Corp. ... E5
Taylor Systems of Penna. ... W11
Timberline Bells ... EET 2
Todd Farm Equip., Inc. ... W6
Todd Hybrid Sales, Inc. ... E5
Townsend's Livestock Equip. ... W11
Tox-O-Wik Products/Tatge Chemical Co. ... W4
Trans-Continental Bolt Company ... CET 1
U S Agri-Systems ... W9
Umbaugh Building Company ... W8
United Farm Tools, Inc. ... E1
Unverferth McCurdy ... W6
University Electronics ... W9
USS Agri Chemicals ... E5
Vanco Sales ... DLT
Velsicol Chemical Corp. ... CET 2
Vermeer Mfg. Co. ... W6
Vicon Farm Machinery, Inc. ... E5
Vigortone Ag. Products ... W11
Weiler Bros, Inc. ... W11
Wengers Farm Machinery, Inc. ... W5
Westfalia Systemat ... W10
White Farm Equip. Co. ... E5
Whitney-Dickinson Seeds, Inc. ... CET 1
Williamstown Irrigation, Inc. ... E2
Wood Chips, Inc., Heat Div. ... W4
Woodhouse, J.S., Co., Inc. ... W8
Woods Div. of Hesston Corp. ... W4
Wyant, Wayne R. ... W10
Yanmar Tractor (U.S.A.), Inc. ... W1
Young's-Livestock Nutritional Services ... DLT
Zeager Bros., Inc. ... W9
Zero Mfg. Co. ... W9
Zetor Tractors Div. of American Jawa ... W9
Zimmerman Mfg. Corp. ... W10

KEY
CET = Commercial Exhibits Tent
DLT = Dairy and Livestock Tent
EET = Educational Exhibits Tent



How to get the most by attending field day

DE KALB, Il. — Field day season has arrived! Whether presented by universities, agribusiness companies or commodity associations, field days are generally planned to demonstrate facts and information that will make you a better crop manager. It is up to you to get maximum benefit from them.

Some field days are primarily social events and may be poor sources of information. You'll have to depend on past experience or reputation to sort these out. If the field days are scheduled for two or three days, talk to someone who attended earlier to find out what you might expect to learn.

OK. Let's assume you've decided to attend a field day and are on your way. You probably have some specific things you want to check for yourself – like the appearance of that new hybrid the seed dealer has been talking about; the effects of the windstorm on minimum-till narrow-row crops; and disease or drought stress in the high population plantings they've been promoting.

You probably hope to pick up some pointers, too, on fertilizers and weed control, a new piece of equipment, or a crop or management system you've been hearing about.

It's also likely you're looking for confirmation that you're doing many things right. You'll look for demonstration plots that support your own choice of planting system, pest control program and hybrids and varieties.

People who plan and conduct field days should anticipate many of your interests and questions, and see that you are exposed to ideas and information that will benefit you. Given a well-planned and well-presented field day plus good weather, there are some things you can do to enhance the value of the time you spend and the effort you make to attend. It's a little like having the planter ready before you go to the field – you'll waste a lot of time and effort if you aren't prepared.

Here are some pointers on attending field days:

GO EARLY. There may be exhibits or displays that will be easier to view ahead of the crowd. You'll have a chance to talk to some of the speakers beforehand if you have some specific questions. There may be an opportunity to register to receive information later. If maps or condensed tour presentations are handed out, look through the material ahead of time.

If there is a wagon-train, try to sit near the middle – you'll see more and probably hear better. If it's a walking tour, situate yourself near the speaker at each stop.

TAKE NOTES AND PICTURES. Don't try to get everything that's said, but jot down the essentials. Ask for clarification or more detail. Most speakers welcome questions so they can tell if they are communicating their ideas to you. Carry a camera to snap pictures of charts, graphs, field signs and plot contrasts that will help you recall a point that was made.

THINK, THINK, THINK. Keep asking yourself: "What's the main point this speaker is making?" "Does this fit with what I already know?" "How does this apply to my operation?" "What changes will this require at home?" "Will it pay?"

DON'T HURRY AWAY. Seek out the speakers from whom you want more information. Also visit with others present -- farmers, university or agribusiness representatives.

FOLLOW THROUGH. When you get home, read the handout material you received. Review your notes and pictures. Glean the most valuable facts and ideas.

Work at field day attending and you'll find field days working for you!

Machinery demonstrations are always a popular attraction at Ag Progress Days. After these mower-conditioners were pulled through the field, viewers had a chance to closely examine the cut.

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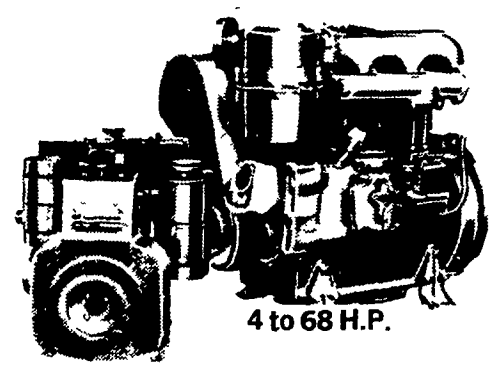

4 to 68 H.P.

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DEALER INQUIRIES INVITED

Trellised apples to be featured at Ag Progress

AG PROGRESS — Dwarf apple trees grown on trellises, producing high yields at seven to eight years of age, will be among the crops featured during Ag Progress Days at the Rock Springs Agricultural Research Center of Penn State.

Such "walls of fruit" can produce average yields of 1,000 bushels per acre, reports Loren D. Tukey, scientist in fruit culture with Penn State's College of Agriculture.

Tukey indicated trellis hedgerows increase the volume of space devoted to fruit bearing in an orchard. He claimed the major cost in establishing dwarf apple orchards is the large number of trees per acre, not the expense of the trellis support system.

"Over 50 different apple varieties are grown at the Rock Springs orchard," Tukey stated. "The plantings provide knowledge of tree productivity, growth habit, and fruit quality. The orchards are the only research plots of their type in the U.S.," he added.

The PennStater has experimented for 22 years in severan orchards planted with dwarf apple trees. Dwarfing rootstocks help to increase the fruit density needed for abundant crops in apple trees, he said. He calls such orchards "intensive plantings." Some additional dwarf tree forms at Rock Springs are named Dutch slender spindle, hoop skirt, and the French Axe (a tall support system). In these experiments, trees are as close as three feet in the row with rows 10 to 12 feet apart.

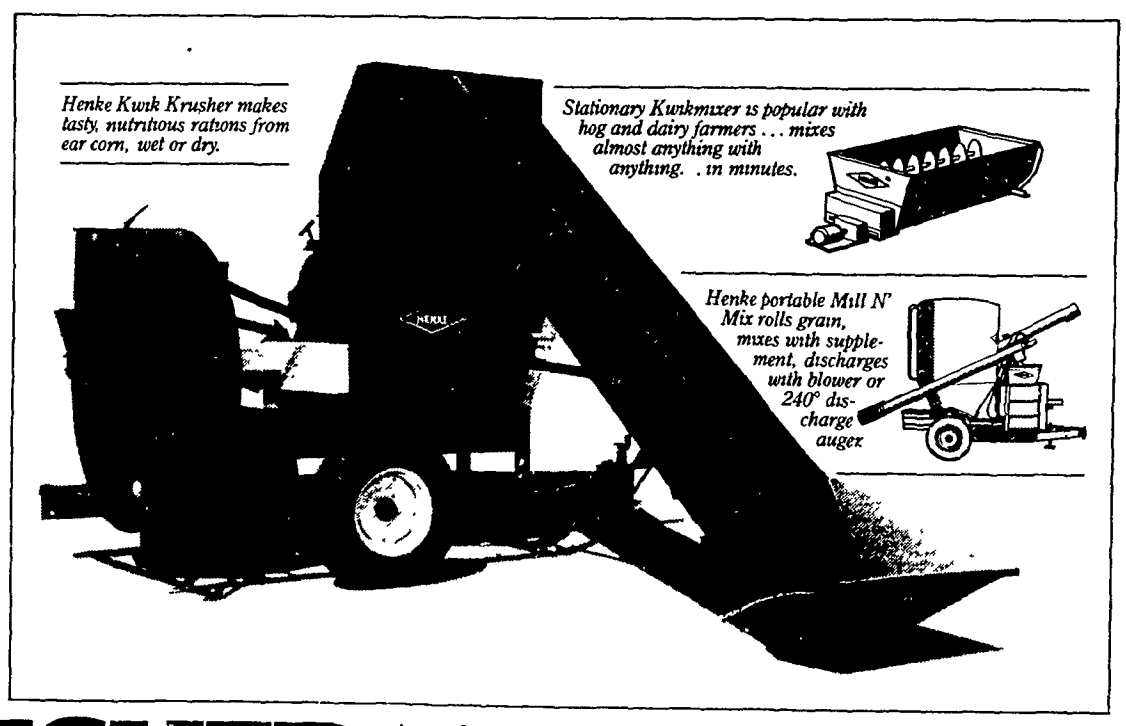
Apples in the Rock Springs orchards have usually measured 2¾ inches in diameter or larger for at least 65 percent of the crop," Tukey commented and added that "fruit size is an important factor in achieving high yields."

Of all the intensive plantings at Rock Springs, the trellis hedgerows seem to be the most productive. Tukey said most apple varieties are suitable for trellising, especially those tending to "spur" or produce fruit on short lateral shoots. Trees with non-lateral fruit growth — such as Rome Beauty, Jonathan, and Tydeman's Early — are more difficult to train. Pears can also be handled very easily on a trellis.

Since trellis-trained trees are only 6 to 8 feet tall, smaller sized orchard equipment can be used than for standard sized trees. And orchard management differs from the handling of individual trees. First, the fruit-bearing area of the tree is developed. Then training

(Turn to Page D27)

FEED THE WHOLE EAR WITH HENKE'S KWIK KRUSHER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Bedford County DHIA Report

dhia — Pennsylvania Dairy Herd Improvement Association

June, 1983

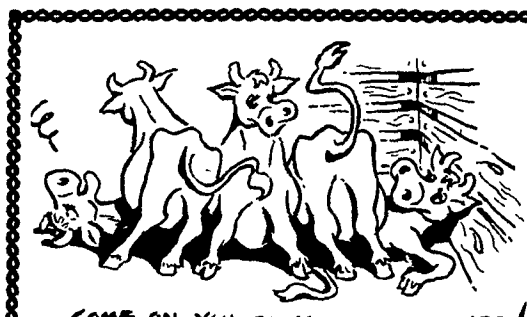
The following is the Rolling Herd averages topping 650 pounds for June, 1983

OWNER	BREED	NO. COWS	% DAYS IN MILK	LBS. MILK	LBS. FAT
Harry W Wareham	3	72.5	87.0	17,823	720
Luther & Phil Steele	B3	76.0	86.0	18,032	720
Bryon Over	3	69 9	87.0	19.526	715
Jerry L Hershberger	B3	94.3	90.7	18,576	700
Greg & Betty Shaffer	B3	52.9	90.3	17.238	695
PaulDen	3	74.1	91.5	17,901	678
Edward A Deputy	B3	130.0	88.3	18,895	673
Paul I Detwiler	3	106.9	90.2	16,893	672
Obie Snider	3	160.1	87.6	17,336	667
Anna & Henry Hall	B3	93.6	85.0	17.154	662
Geo. Garman & Sons	B3	49.6	87.4	16,499	661
Roger R Brumbaugh	B3	39.8	86.2	17,318	657
Russell Wyles	B3	66.1	88.9	17,010	656
Paul R Ritchey	3	69 9	86 7	16,938	655
David H O'Neal	B3	52.1	85 0	16,671	655
Paul & David Helsel	G3	102 4	89.5	17,370	655

The following cows completed 305 Day lactation with 800 lbs. or more of butterfat in the second quarter 1983.

OWNER NAME OR NO.	AGE AT CALVING	BRD	LBS. MILK	LBS. FAT
Luther & Phil Steele				
Lassie	11-6	3	15,473	863
Skyla	9-7	3	20,353	817
Pieta	8-1	3	20,123	840
Obie Snider				
Cher	5 7	3	19,729	854
Boot	3-4	3	17,220	843
Snyder E Henry				
Charlie	3 10	3	20,934	837
Jerry L Hershberger				
Jello	5-4	3	21,825	819
Marlin Deterline				
81	8-7	3	17,671	804
Paul R Ritchey, Jr				
81	4-6	3	15,491	831
Edward A Deputy				
29	6-7	3	23,674	807
Robert Harclerode				
Ned	6-0	3	20,813	937
Ray W Himish				
Count 32	4-0	3	20,797	831
Keith & Betty Black				
36	5-9	3	21,495	815
James L Steele				
Jesty	4-10	3	23,375	826
Martha	4-3	3	21,285	825
Mountain View Farm				
72	6-0	3	22,083	804
Paul I Detwiler				
99	4 3	3	18,210	838
Byron Over				
Daisy	3-1	3	20,981	824
Obie Snider				
Ellie	4 5	3	21,788	916
Flame	4-5	3	22,813	805
Aggie	3-6	3	20,273	818
Prill	3-5	3	20,301	841
Harold K Corle				
Pepper	6-7	3	23,833	862
Harry W Wareham				
38	2-8	3	20,497	866

(Turn to Page D30)



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In Lancaster Farming's Classified Section

Trellised apples

(Continued from Page D26)

and pruning is devoted almost totally to caring for the fruiting wood and regulating tree growth.

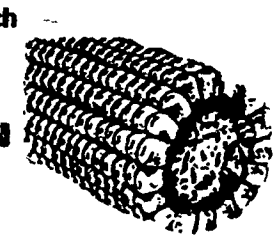
Producing dwarf apple orchards also involves the use of various plant growth regulators to improve flowering, fruit set, and fruit growth. Numerous tests are also under way with the new growth inhibitor, PP333. Some plant growth regulators are undergoing long-term studies at Rock Springs. Other experiments are exploring and developing new growth regulators showing potential for vegetative control and increased yields.

Free bus tours during Ag Progress Days will take visitors to the orchards and other research areas of the Penn State research center. No stops will be made during the tours.

Visitors to Ag Progress Days may go to the site of a national rootstock trial. Rootstock research is concentrated on several extremely dwarfing forms from Russia, Poland, France, Germany, England, and the U.S. The fruit tree nursery contains rootstocks for propagating trees of several varieties.

The major dwarfing rootstocks used at Penn State have been M9 and M26. However, new plantings are being made with M27, an extremely dwarfting type.

More farmers each month prefer to buy their



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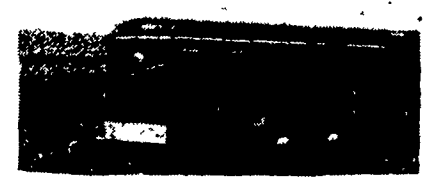

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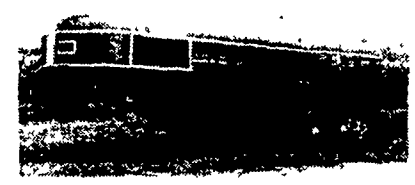

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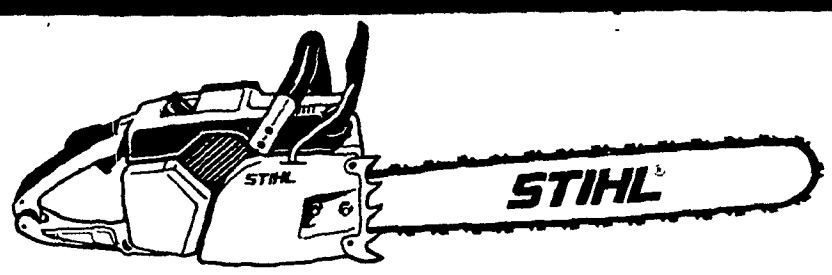

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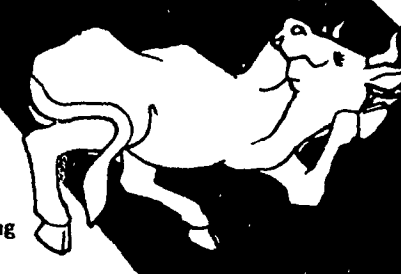

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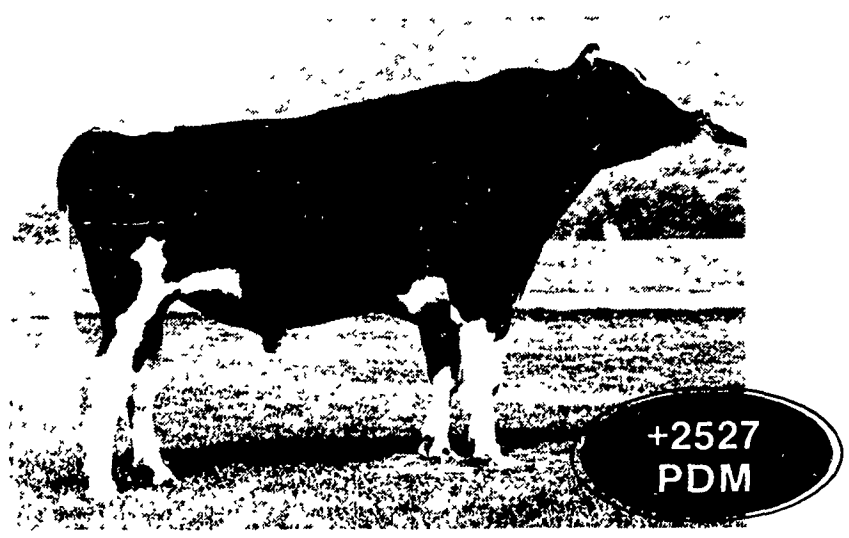


9H584 Cal-Clark Board CHAIRMAN, VG(86),
GM 7/83, TPI +737
USDA 7/83 RIP 2% Rpt. 81%

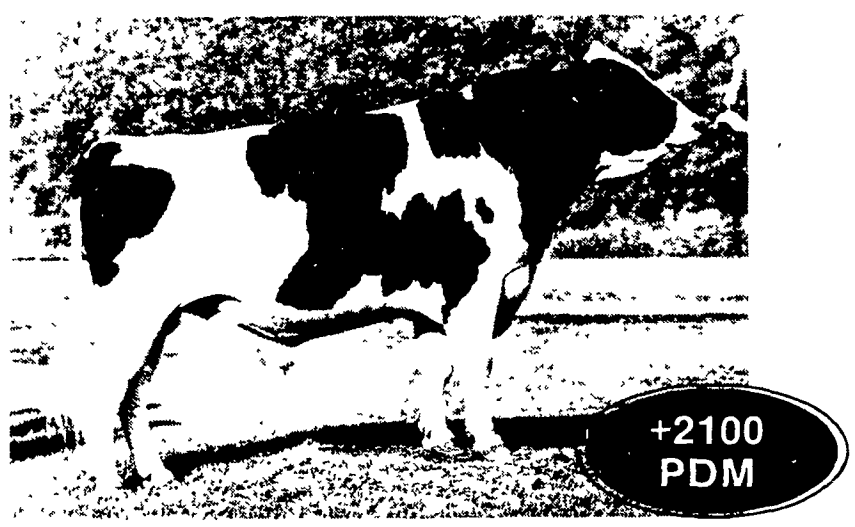
74 Dtrs., 59 Herds Avg	18,623m	3 6%	674f
Pred. Diff. ('74) +$295	**+2527m**	**-.12%**	**+72f**

HFA Type Summary, 7/83 PDT +1.77 Rpt. 82%

9H625 Fivebrooks STARFIRE, G(75), TPI +475
USDA 7/83 RIP 11% Rpt. 77%

67 Dtrs., 57 Herds Avg.	18,847m	3.5%	654f
Pred. Diff. ('74) +$243	**+2,138m**	**-.13%**	**+57f**

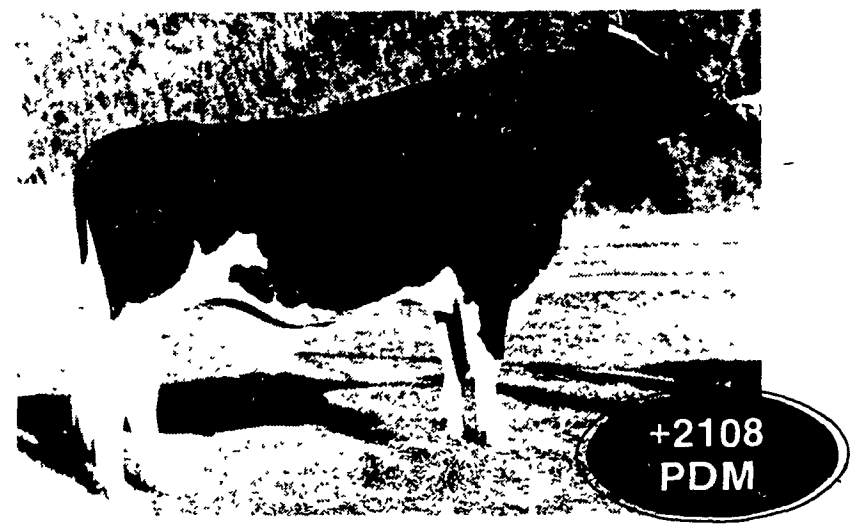
HFA Type Summary, 7/83 PDT -0.35 Rpt. 79%



9H657 Bonnyside Coldsprings IAN-twin, G(77), TPI +474
USDA 7/83 RIP 93% Rpt 64%

43 Dtrs , 35 Herds Avg	18,578m	3.3%	619f
Pred. Diff. ('74) +$215	**+2,100m**	**-.21%**	**+42f**

HFA Type Summary, 7/83 PDT +0.40 Rpt. 41%



9H608 Coldsprings HAMLET, VG(86), TPI +443
USDA 7/83 RIP 2% Rpt 72%

50 Dtrs , 44 Herds Avg	18,297m	3.4%	629f
Pred. Diff. ('74) +$207	**+2,108m**	**-.24%**	**+37f**

HFA Type Summary, 7/83 PDT +0.17 Rpt. 75%

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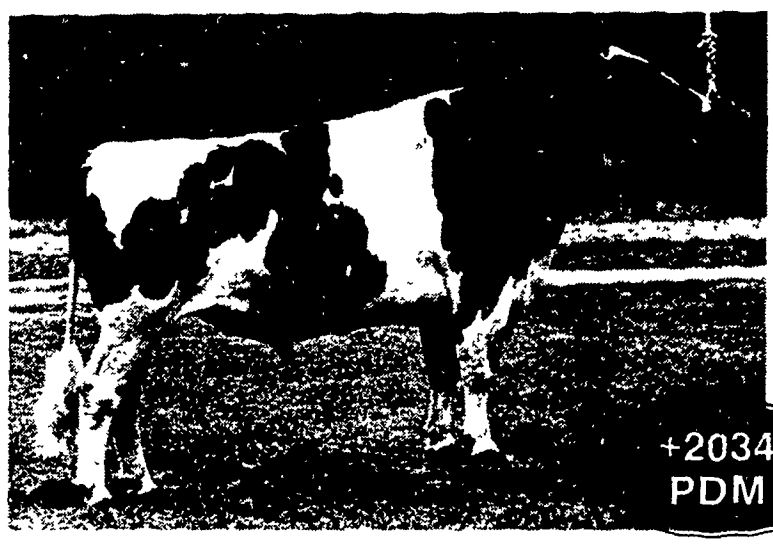
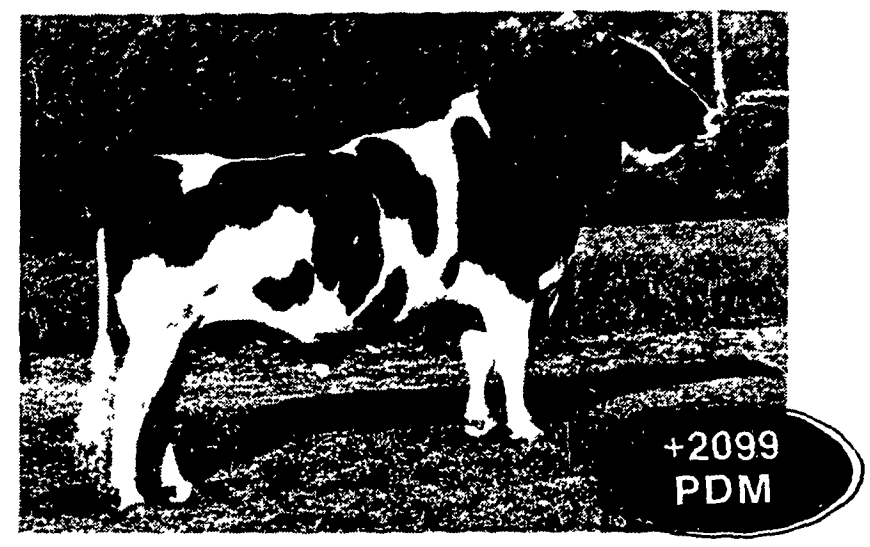
As an example of our results, 9H584 Cal-Clark Board CHAIRMAN is rated by the Holstein Association as one of the Highest Total Performance Sires (T.P.I.) of the breed. This ranking includes evaluation for milk, test, and type.

The Sire Power colored breed battery continues to improve. They include some of the best bulls in each breed.

Seven Holstein Sires +2000 PDM and +.58 PDT



9H628 Rynd-Home Excel SENSATION, VG(89), TPI +510
USDA 7/83 RIP 22% Rpt. 72%
55 Dtrs., 45 Herds Avg. 18,553m 3.5% 650f
Pred. Diff. ('74) +$229 +2,034m -.13% +53f
HFA Type Summary, 7/83 PDT +0.53 Rpt. 76%



9H107 Arlinda JET STREAM-twin, EX(91), TPI +478
USDA 7/83 RIP 10% Rpt. 99%
13,965 Dtrs., 3,265 Herds Avg. 18,603m 3.5% 649f
Pred. Diff. ('74) +$217 +2,039m -.21% +43f
HFA Type Summary, 7/83 PDT +0.46 Rpt. 99%

9H581 Ken-Ric Marcus NEIL, VG(86), TPI +477
USDA 7/83 RIP 0% Rpt. 74%
47 Dtrs., 42 Herds Avg. 19,141m 3.4% 645f
Pred. Diff. ('74) +$192 +2,144m -.31% +27f
HFA Type Summary, 7/83 PDT +1.05 Rpt. 75%

COLORED BREED SIRES

RED HOLSTEINS

CODE	NAME	% RPT	PREDICTED DIFFERENCES MILK	%	FAT	$$$	TYPE PDT	% RPT
9H617	Sleepy-Hollow MAG CHIEF-RED	85	+440	+.05	+23	+69	+0.89	84
9H823	Huff-N-Puff RORY-RED-Young Sire							
9H845	Witterdale Chieftain LUKE-RED-Young Sire							
	GUERNSEY							
21G247	Dutch Mill Telestars FAYETTE	82	+1467	-.19	+49	+184	+1.6	72
21G257	Shadylawn King ARTHUR	42	+1355	-.20	+43	+166	+1.3	55
9G95	Lone Palm T H MORGAN	77	+870	-.04	+37	+123	+2.2	48
7G142	Welcome Wistar FANCY	92	+966	-.19	+26	+110	+0.7	86
	JERSEY							
21J337	YANKEE FW Chief	36	+2371	-.47	+67	+276	+0.9	32
9J59	Maple Lawn Silver AARON	85	+1152	-.07	+51	+166	+2.0	68
	AYRSHIRE							
9A32	Reidina Dawner GALLANT MAN	90	+1398	-.04	+50	+181	-1.0	82
9A36	De Ayr s Hi DROPKICK	51	+1296	-.02	+49	+172		n/a
9A35	Oak Ridge Gretas PREMIER	72	+747	-.03	+26	+95	+1.0	52
9A30	Oak Ridge COMMANDERS STAR	96	+667	-.08	+17	+75	+0.7	93
	BROWN SWISS							
21B421	Johann Evilo ROCKET	65	+2068	-.13	+65	+252	+0.5	44
9B62	Bridge View JUBILATION	31	+1561	-.09	+51	+194	+1.6	45
21B415	West Lawn Stretch IMPROVER	98	+1445	-.06	+50	+184	+1.2	98
9B58	Top Acres Modern GALAXY	60	+1075	+.03	+47	+154	+1.2	32
7B629	E E Beautician KING	98	+1439	-.19	+33	+154	+1.6	97
21B414	Harris Hill TOM JONES	98	+1102	-.03	+41	+145	+1.0	97
	MILKING SHORTHORN							
21M515	Korncrest PACESETTER	88	+2160	+.04	+84	+291	n/a	

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R.D #2, Tunkhannock, PA 18657

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Maryland, Northeast Virginia
Dave Elston
MD ABC
Box 555
Frederick, MD 21701
301-898-9101

Maryland (Eastern W. Va. Panhandle) and Northwest Virginia
Peter Bohacek
MD ABC
Box 555
Frederick, MD 21701
301-898-9101

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Bradford County DHIA Monthly Report

Pennsylvania Dairy Herd Improvement Association

June Report
Lactation Report

This reports all DHIA cows that have produced 750 lbs. of butterfat or more in 305 days.

NAME	BRD	AGE	% COW DAYS IN MILK	LBS. MILK	LBS. FAT
Y Run Dairy Farms					
Joni	3	3	305	20,119	762
Mapoval Farms Inc					
Barbara	3	12	305	22.754	908
Smbabe	3	5	305	18,994	774
Bruce-Leslie Bresee					
Dahlia	3	3	305	20,787	87
Midge	3	5	305	20,108	760
Bennett R Young					
111	3	7	305	27,187	822
55	3	0	305	15,862	804
Dale Mattocks					
Boots	3	4	305	21,430	846

Bedford Co. DHIA

(Continued from Page D27)

Anna & Henry Hall				
Giant	3-7	3	20,019	811
Blair Brooke				
Snogal	5-4	3	23,757	832
PaulDen				
Cola	7-6	3	19,428	838
Royal	3-6	3	18,579	803
Greg & Betty Shaffer				
28	5-9	3	18,291	888
Edward A Deputy				
43	6-9	3	21,288	831
Allen Claar				
Helen	3 9	3	21,504	817
Iva	3-4	3	18,960	826
Andy T Mohr				
G138	7-2	3	21,884	1023
J Allen Baker				
Tubby	7 9	3	22,477	848
Jackie	5-10	3	21,534	818
Bryon Over				
Dawn	6-5	3	21,141	823
William H Helsel				
Joyce	5-5	3	19,615	826
Clarence & Ken Mowry				
Tiho	6 5	3	24,228	835
Cshmer	2-5	3	20,183	829
Paul R Ritchey, Jr				
1	7-10	3	21,991	954
Edward A Deputy				
9	4 3	3	25,078	807
Paul & David Helsel				
32	7-3	3	20,332	837
Paul I Detwiler				
44	6-5	3	22,034	808
Russell L. Jones					
---	---	---	---	---	---
Pauline	3	7	280	19,680	915
Amy	3	6	264	21,365	904
Leota	3	5	305	20,091	789
Roe Russell Jr					
550	3	3	305	19,315	776
Thomas McCarty					
285	3	5	305	18,153	761
306	3	3	305	19,425	753
Glen & Arlene Landis					
Hannah	3	6	300	21,636	836
Laddie	3	5	305	25,012	848
Donald E. Harkness					
Blossom	3	5	305	19,672	858
Fay	3	3	278	18,188	814
Milford Kinsman & Son					
Beulah	3	5	305	20,006	893
Ecelest	3	4	305	22,697	910
Delila	3	4	305	19,137	778
Lyle D. Monro					
67	3	8	305	19,998	820
Springcroft Farm					
Butball	3	7	305	25,566	896
Doty	3	5	305	25,071	970
Robert L Storch					
Wilma 4	3	4	305	20,216	970
Elmer Comstock					
Karen	3	5	305	25,166	1084
Fern	3	7	305	22,770	1059
Richard H. Packard					
Bess	3	6	305	20,718	821
Rod Watson					
Molly	4	4	305	15,312	807
Rodney Babcock					
125	3	2	305	15,126	806
Robert Taylor					
J. Polly	3	4	305	19,456	792
Richard D Wheeler					
Roma	3	10	305	22,402	913
Steve & Carol Jenkins					
Babe	3	5	280	15,052	761
Duane Lewis					
9	3	8	305	19,362	781
Pinetop Farm					
Belle	3	6	305	21,189	777
Casey	3	4	305	19,745	772
Ronald Forbes					
Lori	3	9	305	15,183	792
Cragle Knolls					
Bella	3	4	300	17,537	778
Martha 27	3	2	305	18,021	752
Windham Valley Farm					
Belle	3	4	247	17,720	837
Star	3	4	232	19,718	819
Art & Clay Harkness					
Kim	3	5	305	21,057	828
Garry & Nancy Johnson					
96	3	5	289	17,311	792
Kenneth L Prince					
2387	3	5	287	20,841	923
Wayne H LaMont					
Cheryl	3	7	289	20,613	811
Bob & Tom Murray					
4	3	3	305	18,501	770
7	3	3	298	20,619	774
119	3	2	305	20,648	754
Raymond Hoppaugh					
Satin	3	7	305	25,495	941
Matt Will					
Bambi	9	3	305	22,895	764
Kenneth Walters & Sons					
33	3	3	305	16,384	874
Milton Sherman					
282	3	4	305	20,379	796
Walter G Wheaton					
47	3	4	305	22,042	911
73	3	5	305	17,758	751
97	3	3	305	20,323	799
Caleb & Karen Hess					
Bessy	3	2	288	15,744	842
Ray & Larry Rowe					
---	---	---	---	---	---
78	3	5	279	19,097	1104
Earl J. Gamble					
Laura	3	5	305	22,009	776
Julie	3	4	305	18,341	852
Donald Jennings Jr					
106	3	9	305	21,249	790
103	3	8	305	23,359	811
147	3	5	305	23,663	850
32	3	5	305	19,460	774
67	3	3	305	19,553	760
Calvin & Judy Watson					
Melva	4	7	305	15,743	839
Elsbree Brothers					
74	3	5	305	17,316	842
Gary & Donna Ayres					
56A	3	4	305	23,043	849
Barry Bradley					
Poly J	3	7	305	19,758	881
Providence Acres					
529	3	5	305	20,679	766
Lawrence A. Swartley					
6	3	3	305	22,056	842
Parks Knoll Farms					
28	3	6	305	17,673	757
Stuart Wrisley					
2	3	8	305	20,114	859
1470	3	3	305	22,525	785

LYCOMING COUNTY, DHIA
June, 1983

Eugene W. Hall	Gr&RH	63.9	90.7	20,104	804
Richard Barto	Gr&RH	47.5	89.5	19,164	731
Marshall Bros. Inc	RH	113.6	88.9	16,633	708
John Snyder	RH	40.6	87.7	17,714	697
Franklin J. Finck	RH	81.0	88.6	17,587	683
Samuel & Larry Fry	RH	121.8	87.1	18,489	681
Dennis W. Eckert	RH	39.1	86.1	18,343	676
Mont Will Farms	Gr&RH	40.5	85.2	17,572	671
Don & Scott Lepley	GrH	33.9	88.8	18,485	667
Benjamin E. McCarty	Gr&RH	28.1	87.6	16,588	656
Donald-Wendya Kulp	Gr&RH	48.4	84.8	17,172	650

Cows Producing Over 750 lbs. butterfat:

John Snyder				
Lass	5-9	18,843	763	305
Pinkie	3-11	18,981	814	305
David Jarrett				
88	4-5	19,828	843	305
Lester M. Poust				
Laurel	5-4	24,488	893	305
Richard Barto				
Lilin	5-4	23,213	886	305
Ritter-Ridge Farm				
Hillary	7-2	20,010	796	305
Lou	4-7	22,195	785	305
Eugene W. Hall				
Buffy	6-0	20,219	923	305
Jolene	5-4	17,445	779	305
13	4-5	22,811	790	305
Mary	3-9	24,193	944	305
Blizz	5-0	20,771	815	305
Dory	2-11	20,868	793	305
Marshall Bros Inc #1				
Regina	5-0	23,035	1183	305
Robert L. Tome				
142	3-11	17,205	786	305
Lost Brook Farm				
37	8-4	18,453	799	305
8	4-7	22,640	814	305
Aaron Ritter				
Angie	5-9	18,654	811	305
Richard Mowery				
219BK	6-5	25,268	778	305
Edward C. Ulrich				
51WISH	3-8	20,380	790	305
Charles F. Ulmer, Jr.				
Helen	5-9	16,090	762	305

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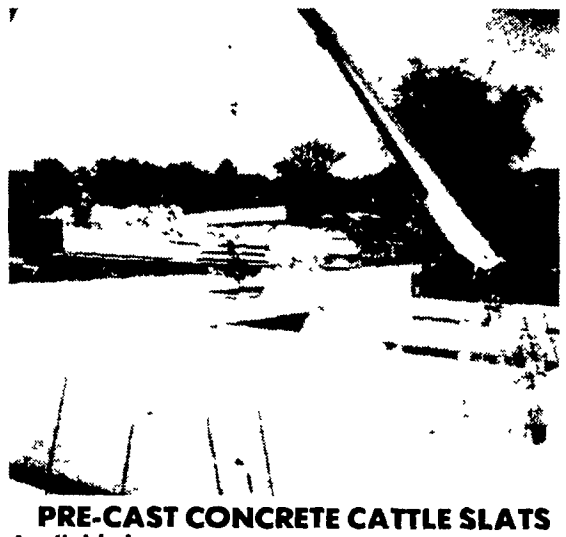

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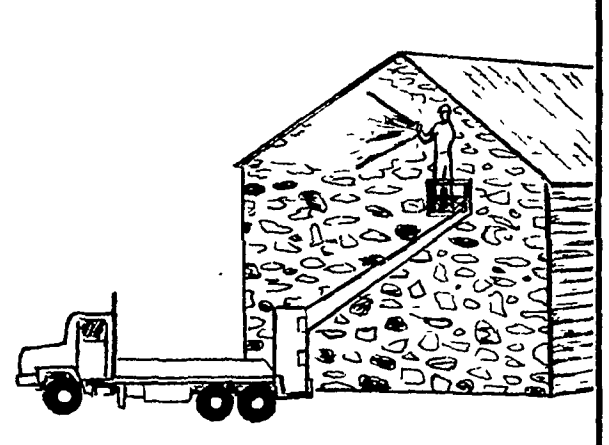
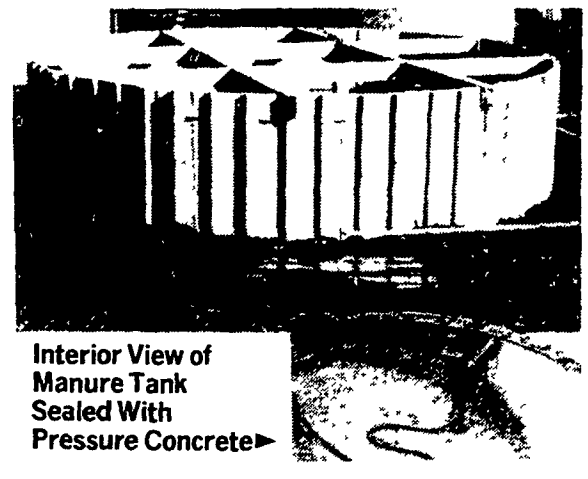
ASCS Approved



REPAIRING STONE WALLS
with
SPRAYED ON PRESSURE CONCRETE



Interior View of Manure Tank Sealed With Pressure Concrete►

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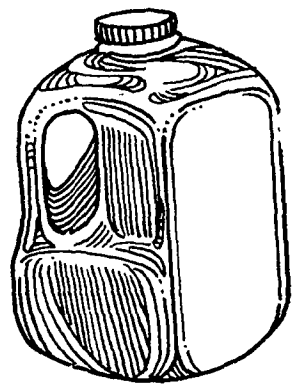
- PRECAST CONCRETE PRODUCTS

Generic only 2% of food ad budget

WASHINGTON, D.C. — What do eggs, milk, and orange juice have in common? They are all examples of U.S. farm products that are promoted through generic advertising—a sales pitch without a brand name.

The messages are sponsored by producer groups seeking to boost sales of a type of food rather than an individual company's product. According to economist Rosanna Mentzer Morrison of USDA's Economic Research Service and Walter Armbruster of the Farm Foundation, millions of advertising dollars are being spent to reach consumers with generic promotions.



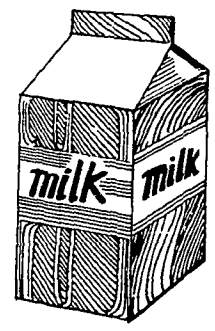
One measure of the impact of these television, radio, and print media campaigns may be the familiarity of such generic slogans as: "The incredible, edible egg"; "Milk—it's fitness you can drink"; and "A day without orange juice is like a day without sunshine."

Increase demand

"Because producers of a basic agricultural product cannot easily convince consumers to choose one egg over another, they use generic advertising to expand total demand for the product and, hopefully, their own sales as well," Morrison says.

In an article in USDA's *NATIONAL FOOD REVIEW*, Morrison and Armbruster note that generic ads may be used to counter competition from other products (milk versus soft drinks), to increase public awareness of lesser known foods such as avocados, to alter negative public perceptions about nutritional value or calorie content, or to introduce new product uses. "Orange juice—it's not just for breakfast anymore" urges consumers to keep orange juice in mind throughout the day.

Compared with total 1982 outlays of $3.6 billion for food and beverage media advertising, the generic



share is very small—only about 2 percent-and it even declined a few tenths of a percent since 1972. But the reason seems to have more to do with huge increases in brand-name advertising budgets than with lack of faith in the generic message.

In fact, U.S. commodity groups spent about $84 million last year on generic advertising in consumer-targeted media, up from only $28 million 10 years earlier. Three-fourths of the spending went to promote milk, other dairy products, and fruits and juices. U.S. agricultural commodity associations also sponsored generic promotions for red meats, poultry, vegetables, rice, nuts, seafood, liquor, cotton, and wool.

Fast food pitch

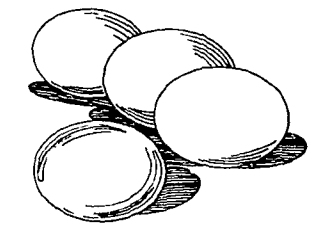
These promotions were aimed at consumers, but consumers are not the only audience for generic advertising. For example, the California Avocado Commission spent less than half of its $3.9 million promotion budget on consumer media in 1982.

"Commodity groups also offer discounts to retailers, place advertisements in trade magazines, and sponsor trade shows and contests," Morrison notes. A pork industry group, for instance, is trying to convince the fast food industry to add pork to the menu, while dozens of U.S. commodity groups use generic advertising as part of their effort to expand overseas markets.

About 85 percent of all generic advertising and promotion is paid for through producer agreements under various federal and state programs. Once these agreements are reached, usually based on a vote by producers, participation is mandatory so that all producers who are likely to benefit are required to contribute. Many programs, however, allow producers to request refunds.

How effective?

How effective is generic advertising? "The evaluation is incomplete," Morrison says, but Morrison and Armbruster do point



to several studies on specific generic promotions. "A 1980 study conducted for the United Dairy Industry Association evaluated the effectiveness of generic fluid milk advertising expenditures in ten U.S. milk marketing areas. It found that dairy farmers received an average net return of $2.20 for each dollar spent on generic advertising." An earlier USDA study showed similar results for milk advertising, and Florida Department of Citrus studies have indicated a favorable return on generic media advertising and coupon promotions for citrus products.

The effectiveness of generic promotions may depend on timing, the supply of the product, prices of substitute products, and several other factors, say the economists. Questions also remain about the costs and benefits to consumers, who may learn about new products, new product uses, and nutritional content through generic advertising but may also have to foot the bill through higher product cost—especially if producers are unable to expand the supply to meet greater demand generated by the ads.

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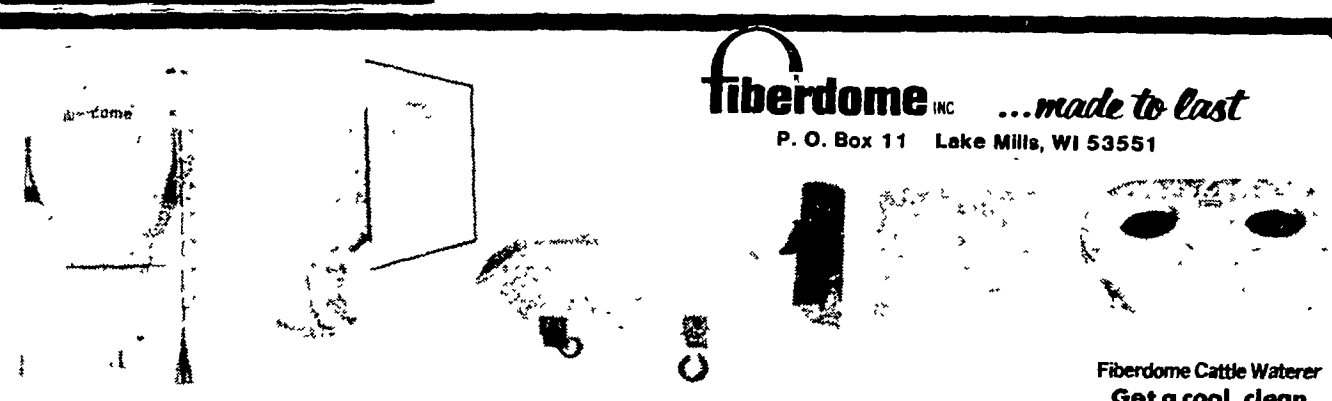

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Cyrogenic research shows dramatic advances

FARGO, N.D. — Some insects can be frozen and brought back to life, opening possibilities for preserving their genes to play a future role in the biological control of pests.

A collection of housefly embryonic cells is surviving after being thawed by a research team led by the U.S. Department of Agriculture's Roger A. Leopold here. For eight years, the cells had been frozen in liquid nitrogen at -321 degrees Fahrenheit (-196 degrees Celsius).

Houseflies are ideal for freezing studies because they are easily and cheaply reared, producing a generation every 10 days. What is learned from deep freezing houseflies will enable scientiests to speed adaption of cryogenics to insects that prey on pests of livestock and crops.

Leopold, an entomologist with USDA's Agricultural Research Service, said the research team, in another cryogenic experiment, froze housefly embryos at -4 degrees Fahrenheit (-20 degrees Celsius), for one hour. About 85 percent of the embryos survived.

He said the freezing technique requres further refinement before it can be used to store whole insects. When that happens, he predicted, scientists will draw upon banks of frozen insect cells and embroyos as routinely as they now do plant and animal germplasm.

A major reason why Leopold's team is investigating cryogenics is to safeguard desirable and often unique strains of insects from the "genetic drift" that complicates biological control efforts.

"Insects change when they are raised in factory-like insectaries for mass release," said Leopold. "They lose some of the good genetic traits they exhibited in the wild."

That means such important traits as vigor are altered over the years in mass rearing, the entomologist said.

To overcome genetic drift, the researchers are attempting to transfer preserved embryonic cells into housefly embryos. These cells become additional sperm and eggs within the recipient embryo. Offspring that hatch are bred with a similar strain to try to recover the original gene pool.

Of the resulting progeny, 25 percent will be genetically identical with the original strain. Had the technique been developed earlier, said Leopold, the Fargo laboratory would have been able to save 200 different strains of houseflies for research.

"Maintaining such a large collection proved so laborious and expensive that we now rear only three of the strains," he said. "Regrettably, some of our old strains no longer can be found anywhere for propagation and study."

Cooperating with Leopold in the research are cell biologist James D. Bramer and zoologist Albert E. Heacox of North Dakota State University. The studies are being conducted at USDA's Metabolism and Radiation Research Laboratory.

Current research at the laboratory is focused on such livestock pests as houseflies, face flies and screwworms, all members of Diptera — the largest order or classification of insects.

Cyrogenic applications

Although cyrogenic techology was first reported in the 1890s, its practical application to agriculture came relatively recently, said Terry B. Kinney, Jr., administrator of USDA's research agency.

"Research has enabled today's agriculture to employ cryogenics in storing semen, treating certain animal diseases, identifying livestock and preserving tissue cultures, pollen and seeds," Kinney said. He said deep freezing technology promises to play an especially vital role in safeguarding the world's still existing plant germplasm.

"Already, scientists at the U.S. Seed Storage Laboratory in Fort Collins, Colorado, have succeeded in freezing seeds of 140 different crop plants," Kinney said. "Future progress should make it possible to preserve plant germplasm indefinitely for 100 years and more. Besides protecting irreplaceable germplasm, that achievement has the potential to reduce seed storage costs five fold."

Trees preserved

Even after freezing to -321 Fahrenheit (-196 Celsius), the callus material of date palm trees still was able to produce tiny plantlets. Callus is shapeless white tissue with all the genetic information needed to produce full-grown palm trees.

The freezing technique was applied to date palms by USDA plant geneticist Brent Tisserat. It reportedly was the first time a tree species was preserved cryogenically.

Tisserat envisions breeding studies of the future that will be performed with pollen from male trees hundreds of years after the trees have disappeared. By contrast, in nature date palm pollen lasts only one or two growing seasons and date palm seeds, 15 years.

Success with the date palm sets the precedent for frozen storagee of other valuable fruit tree germplasm. The cryogenic technique already has been applied successfully to tissue cultures of carrots, tobacco, sugarcane, alfalfa and rice. The technique also has been applied to growing points and buds of carnations, potatoes, peas and strawberries.

Freezing chicken semen

Superior chickens are being bred from sperm banks made possible by cryogenic technology for freezing chicken semen.

The technique, developed at the Beltsville, Md., Agricultural Research Center, has since been modified for use on exotic and endangered species of birds, such as the whooping crane, in a program sponsored by the U.S. Department of the Interior.

Frozen sperm banks enhance the genetic value of superior roosters that have been selected for such desirable traits as tenderness, meatiness and feed conversion

(Turn to Page D33)

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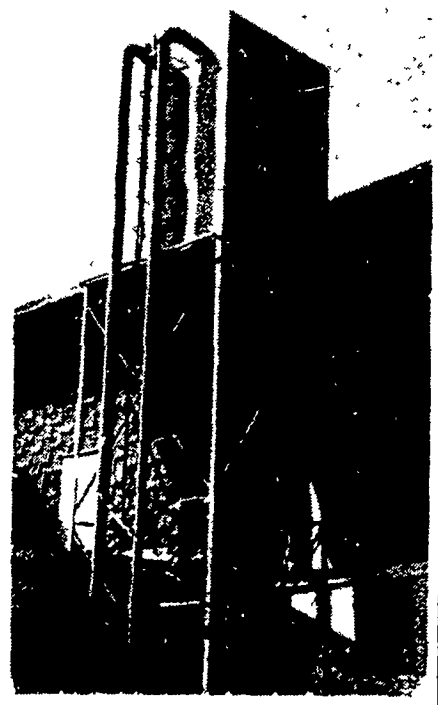

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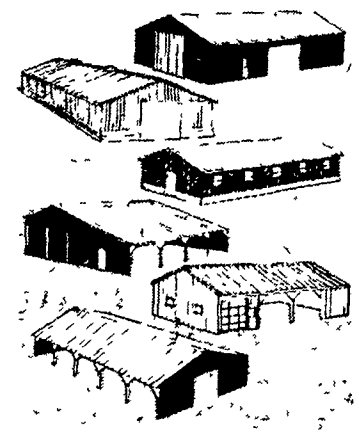

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Cyrogenic research

(Continued from Page D32)

efficiency. The technique permits the use of semen from one selected male to inseminate 20 to 30 hens per day rather than the usual 10.

Thomas Sexton, poultry specialist who works on the cryogenic research, said the technique improves on previous technology by compensating for the ill effects of freezing on the longevity of thawed semen.

Tropical seeds frozen

Seeds of tropical plants are not usually suited for storage in liquid nitrogen at a temperature of -196C., but now researchers have successfully frozen seeds of nine species.

In some cases, freezing improved germination over that of conventional storage, according to Phillip C. Stanwood, a USDA Agriculture agronomist.

The fragility of tropical and subtropical seeds limits the amount of time they can be handled after conventional storage. Tropical germplasm is commonly preserved the expensive way: continual regrowth in protected environments, a method that risks disastrous losses.

Stanwood says the key to success is that moisture is reduced in the seeds before they are stored in liquid nitrogen. The plants with improved germination percentages are apple of sodom, ceara rubber and prickly poppy.

Success also was achieved with seeds of passionfruit, dwarf shefflera, common guava, papaya, seamberry, and strawberry guava, with the lowest germination at 91 percent that of conventional handling.

Cures eye disease

Ultra-cold freezing of glaucoma-damaged eyes in dogs, horses, cats, and other animals is successful in curing the painful disease. Glaucoma does not return.

If the freezing is done before the animal's eyesight is totally lost, vision can be returned to normal, according to USDA animal disease expert John R. Gorham in Pullman, Wash. Researchers there earlier developed a cryogenic technique for "freezing-marking," a humane alternative to fire branding in cattle identification.

The new glaucoma treatment is simple and low-cost. Treatment consists of chilling a copper rod to super-low temperatures and applying it to the animal's afflicted eyeball for a few seconds at a time, until the cornea of the eye is frozen.

Hop pollen survives

Hop pollen can be preserved by deep freezing for more than a year without significant loss of fertility research by a USDA geneticist indicates.

Hops are the main flavoring ingredient in beer, and the United States is the world's leading hop producer.

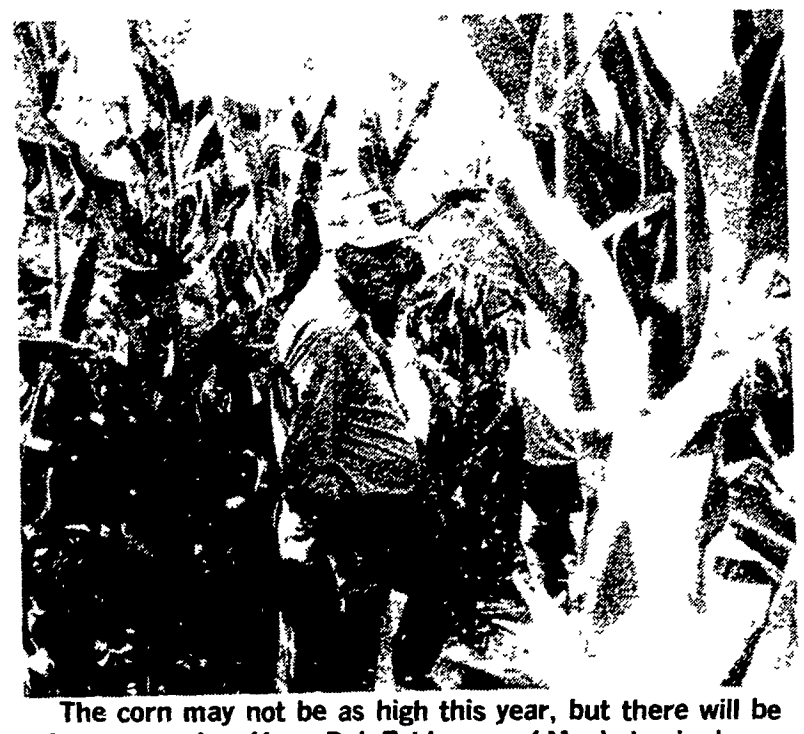
Alfred Haunold, of the USDA research agency, said hop pollen rarely is fertile after a year of conventional refrigeration.

Now, advances in cryogenics should enhance the breeding of superior varieties, a goal he said heretofore was hampered by the flowering characteristics of hop plants.

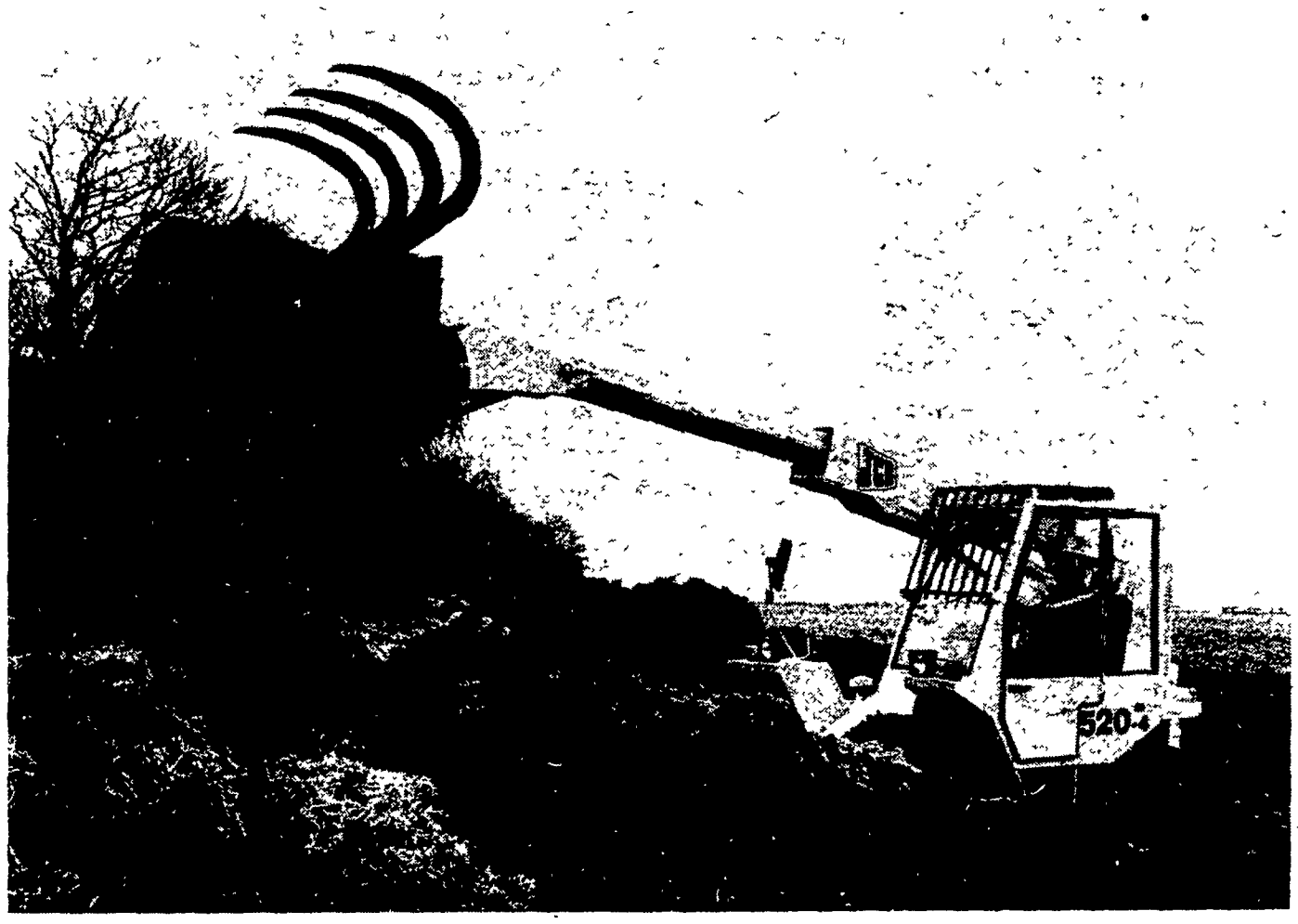
"A cross between an early flowering female and a late flowering male often has been difficult to achieve. Being able to keep pollen viable in storage will help overcome this difficulty and benefit breeding programs," Haunold said.

New and better varieties of hops could lead to a wider range of beer flavors.

1982 Ag Progress highlight



The corn may not be as high this year, but there will be plots to examine. Here, Bob Eshleman, of Manheim, is shown in field at last year's Ag Progress.



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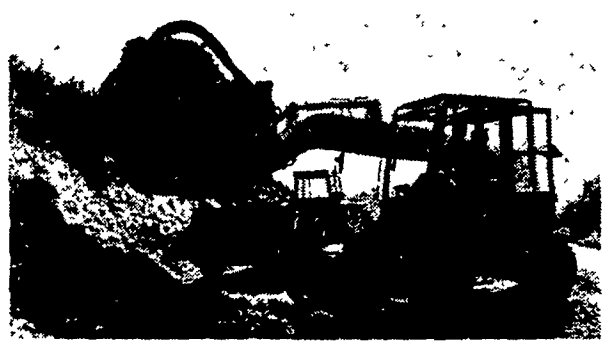

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Not the time to talk tile drainage, but

WEST CHESTER — This is the year of the drought. Yet, three months ago, many farmers were complaining because the water table was two inches above the top of the ground. Wet spots and springs in fields showed up where they had been very little dampness before. The fertilizer trucks got stuck, the tractors couldn't get through and there were spots where the corn didn't get planted while weeds now grow.

Many of the farmers in Chester County have been drying up those wet spots by installing tile drainage. It hasn't been cheap, but how do you compare the cost of working around a wet hole, getting the equipment mired, etc. — with the cost of installing a few hundred feet of tile to drain the wet areas.

Those farmers who dried up their wet spots with tile drainage, were able to plant corn in April and May. That early planting has enabled the corn to better withstand the serious shortage of water that presently exists.

Harold Kulp, Pottstown, is a man who practices what he preaches. As Chairman of the Chester County Conservation District, Harold has installed 4000+ feet of tile over the past several years. Harold said that "in places that I could never work in past Springs, I was able to plant corn this year. There is a great deal of satisfaction in not having to work around the soft spots. There is no extra effort in keeping the weeds down."

Kenneth Miller, Chester Springs, installed 5,000 feet of tile four years ago, to drain a 40 acre field. Before the tile was installed, the field was not tillable. Nothing would grow except weeds. Now, he is able to harvest 150 bushels of corn crops, and fifty bushel of wheat crops.

Miller also has several tile-

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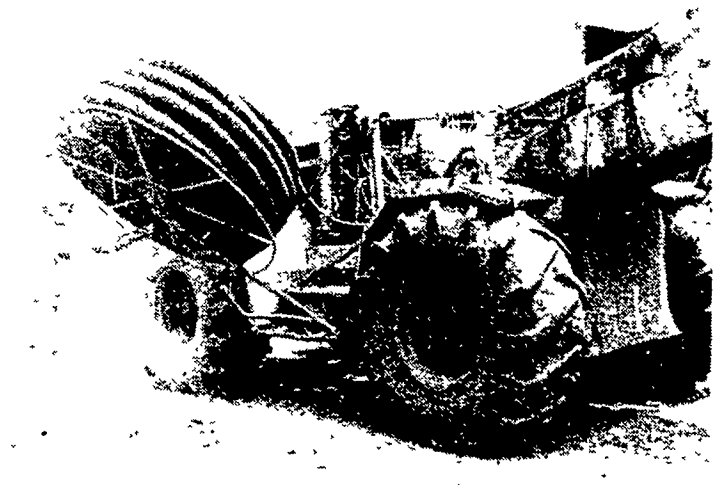
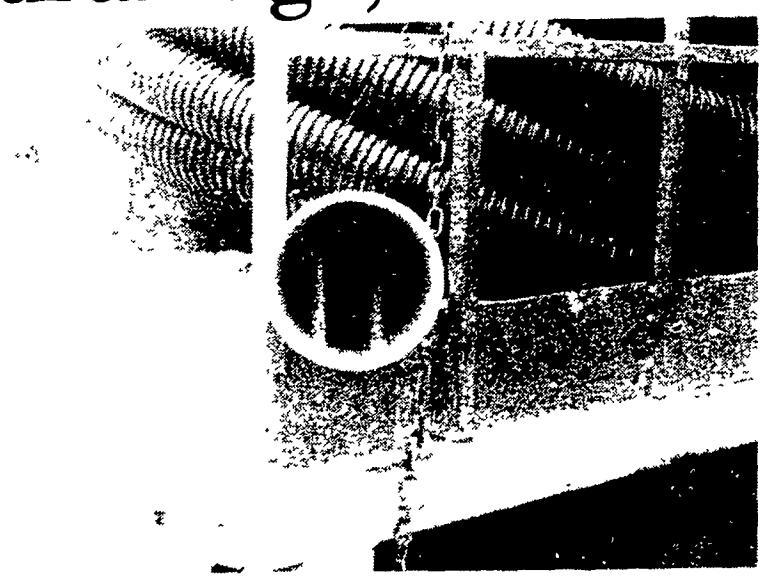


Elvin High, Reinholds, loads a coil of plastic drain pipe on to the Zee-Bee-Tee chain ditcher. The ditcher, owned by Willis Stauffer, Denver, uses a large version of a chain saw chain to cut a trench to the desired depth for the placing of the tile. Crushed stone is placed around the tile to filter out dirt that might get into the pipe to plug it.



An iron rod, bent into a "u" shape and hinged to the top of a piece of solid pipe, acts to keep muskrats and other small animals out of the pipe. Solid pipe is used for the last ten feet to outlet the drainage tile to the stream. The flexible plastic pipe could be crushed by traffic close to the end.

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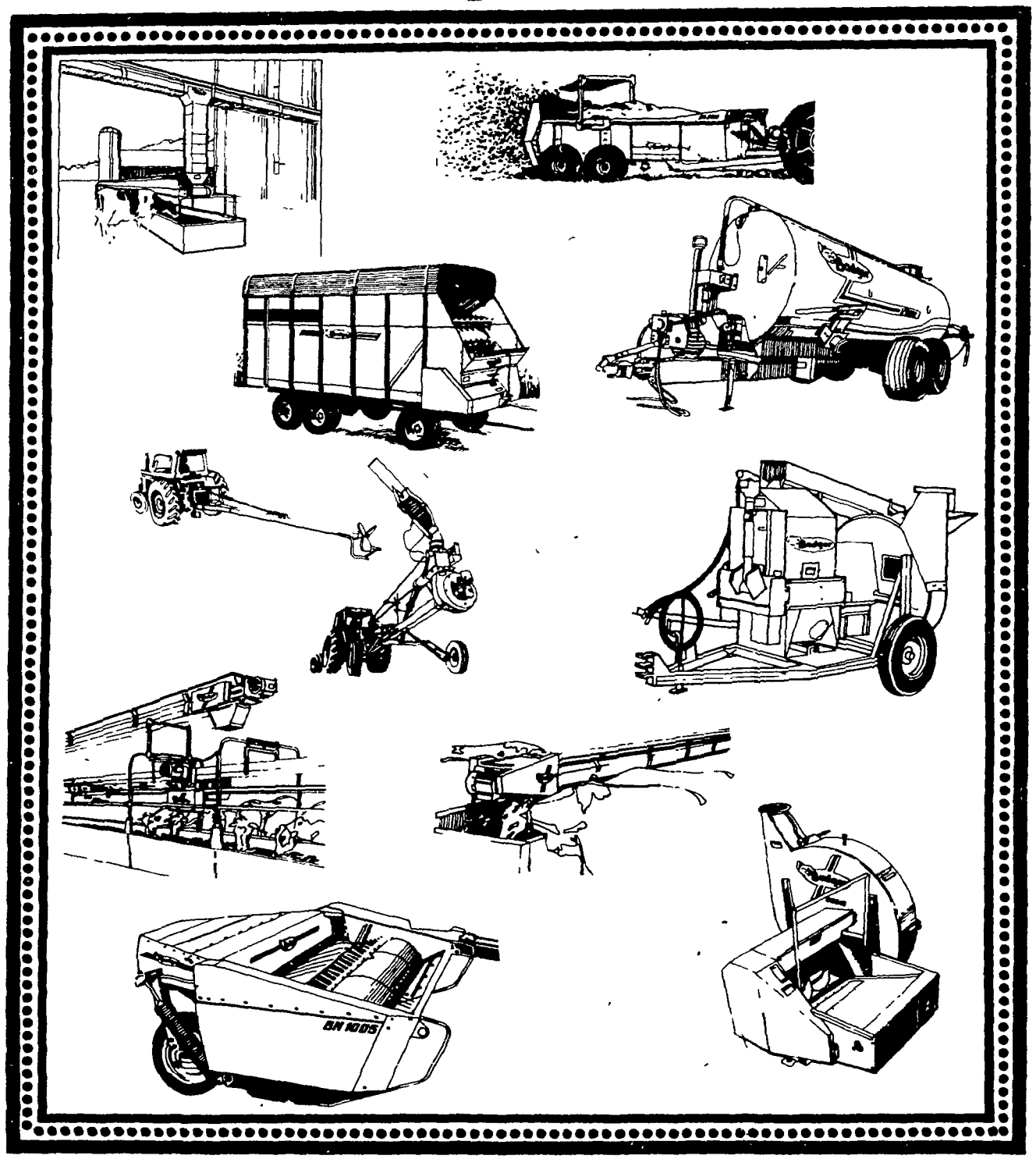

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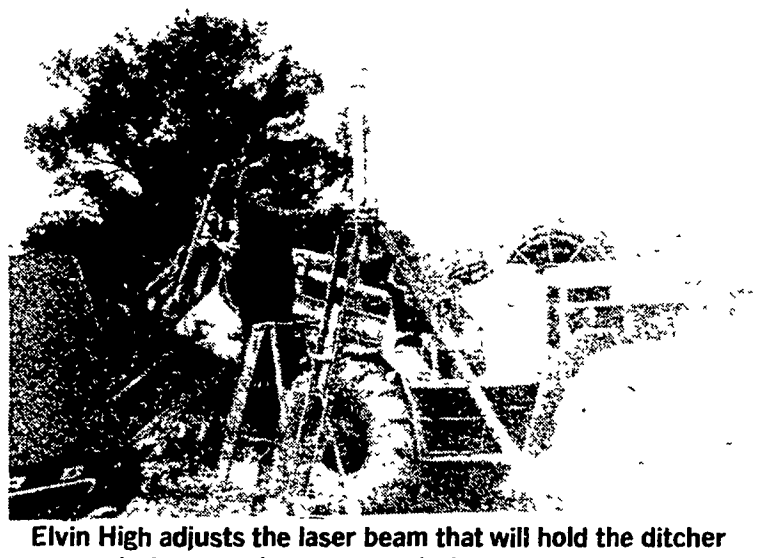
Tile drainage

(Continued from Page D34)

drained terraces on his farm which were put in six years ago. These storage terraces collect the runoff from severe storms. The tile drain carries the water to a stream. The storage terrace collects sediment that erodes from the fields. Some of the water collected from storms has time to soak into the ground which then recharges the underground water table. The remainder is released over a twelve hour period after the storm is over.

Omar Beam, Eleverson, has put in several hundred feet of tile over the past several years. This year, because of the wet spring, several spots have surfaced. Omar will have the tiling machine return to tile a short line to connect these scattered spots. Beam also uses gradient terraces to break up the long slopes to ensure gulleying will not begin. He feels quite satisfied with the terraces as a way to keep his valuable topsoil in place. Beam emphasizes the need for maintenance of the tile system. He had one experience with tree roots reaching the tile and stopping the drainage. He placed solid pipe in the area to keep tree roots out of the pipe.



Elvin High adjusts the laser beam that will hold the ditcher on a steady down grade for proper drainage.

Allen L. Stoltzfus, Honeybrook, has installed more than three thousand feet of tile in the last few years. "We are extremely pleased with our tile drainage. Our best corn this year is in the field where we have tile drainage," Stoltzfus said. "We were able to plant through spots where we could never plant before. Eight acres that were total wasteland before, are now in production of corn," Stoltzfus continued.

Stoltzfus has used clay tile for his system with the exception of a few hundred feet installed in the last couple years. He wanted to be sure the plastic tile was satisfactory before using much of it. "You have to take care of the clay tile," Stoltzfus said. "If a tile breaks or there is a plug, it is necessary to dig down and repair the spot."

Jim Barausky, Camp Hill Village, Kimberton, has 5,000 feet of tile installed. He estimates that he needs another five to six hundred feet to take care of the wet spots that showed up in the Spring. "We can use crop rotations that we couldn't use before", Barausky related. "There were four or five areas of swamp in the middle of one field that made it very difficult to work. The use of the tile drainage has now made it possible for us to utilize the entire field."

Crushed stone, dumped into the hopper on the front of the tiling machine is carried up a belt conveyer to be dropped in around the tile as it is laid in the ground. Menno Martin, right, shows a handful of the stone to Joy Musser, left.

Glen Ranck, Cochranville, used to get his tractor stuck in the wet spots. "The savings in time, wear and tear on equipment, and aggravation, makes tiling worthwhile," Ranck concluded.

Several contractors specializing in agricultural earthmoving are available to install tile drainage using back-hoe equipment. Tile is also being installed using large plows which resemble large subsoilers. The opener, at the bottom of a narrow, strong shank, opens a space at the proper depth for the plastic tile. The tile is fed along with a crushed stone filter, down the back of the shank into the cavity left by the opener. The grade of the installed tile is maintained by a laser beam transit.

Many farmers hook up the discharge from their tile drainage to a watering trough for their cattle. Cattle drink the cool, fresh water from the drain pipe in preference to drinking from the stream or standing pools of water.

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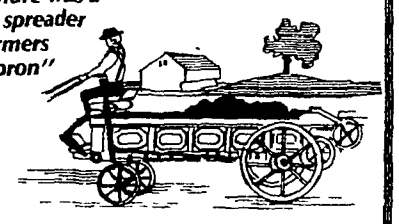

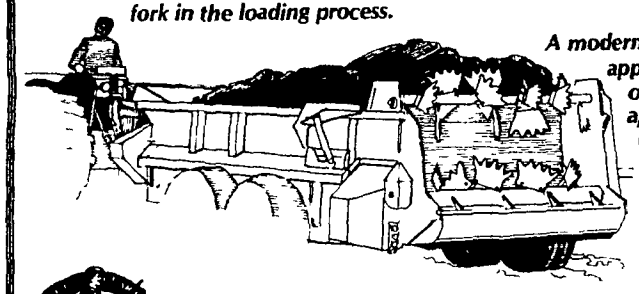

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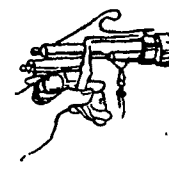

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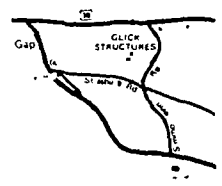

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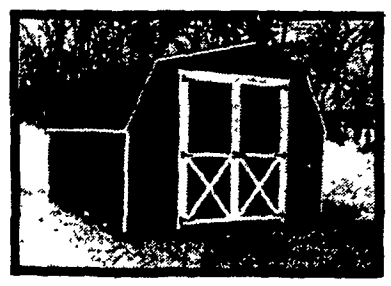

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The Milk Check

TOM JURCHAK
County Agent

The Longer You Wait

Dairy price support legislation, as of this writing, is stuck in the Senate Agriculture Committee. The hang up is over target prices and loan rate freezes for feed grains, cotton and tobacco. Right now there are two bills in the Senate committee. One for dairy and tobacco and one for feed grains and cotton. The administration is worried that it the dairy bill is passed they may never see the feed grains bill. Efforts to amend the dairy bill to include the feed grains has brought threats of a filibuster if it gets to the floor of the Senate. Meanwhile, back at the House Agriculture Committee they have agreed on a compromise dairy bill and are waiting for the Senate to move.

In addition, partly because there seems to be no solid backing for the compromise bill, pressure has started for a straight $1.50 drop in the support price with no diversion payments or dairy promotion program. The general feeling is that the longer we fuss over the compromise bill the better the chances are for dumping it altogether and going for a price cut only.

It may be another case of the longer we wait the worse things get. One large New England cooperative stood nearly along in not opposing the 50 cent assessment last winter. Their reasoning was that anything that took its place would be harder to live with. There has been a lot of zigging and zagging since last fall but it does seem that future prospects for producers have deteriorated since last winter and the direct price cut that many wanted to avoid is now becoming a possibility.

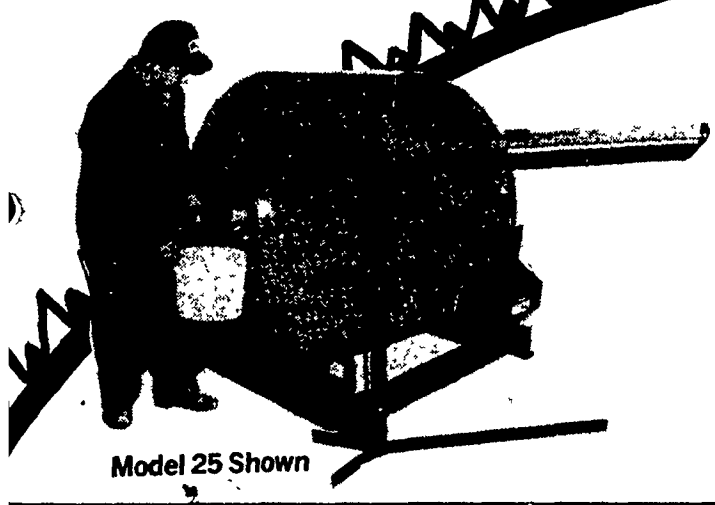
I'm not taking any bets but if the Senate can't agree on farm price legislation very soon look out for a straight support price cut that would at least have solid support from the administration and the American Farm Bureau Federation which is more than you can say for the compromise bill.

Comments

Maybe I'm traveling in the wrong circles but it seems that I'm hearing more and more farmers leaning toward the idea of a drop in the support price with adjustments in the make allowance; a dairy specific parity formula and no diversion payments or promotion program. It seems to be coming more from the younger producers but maybe that's because I'm getting older. Anyway, their reasoning is that it puts everyone in the same competitive position with flexibility to expand or cut back depending on their own management decisions. They object to the administrative costs of a diversion program and the resulting bureaucracy as well as the public relations backlash of paying producers for not producing milk - nature's most nearly perfect food. They have some of the same objections to the 50 cent assessments including the inequity of charging everyone the same even though the farm price varies widely between producers.

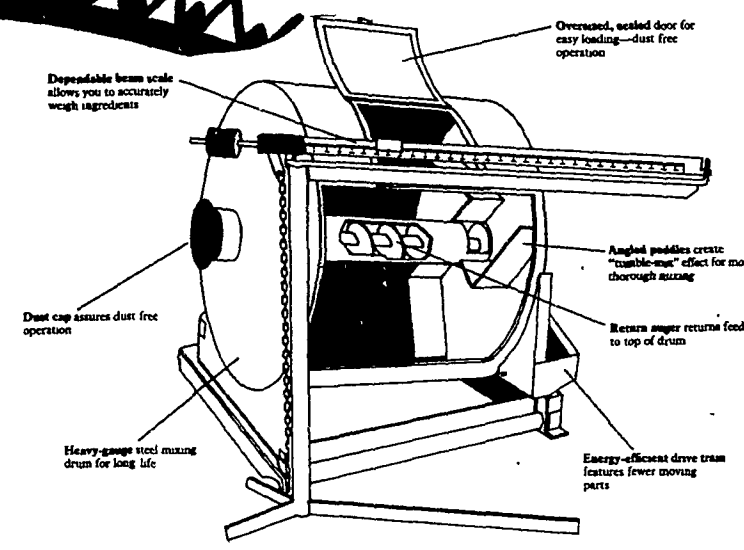
(Turn to Page D38)

SEE THE FARMASTER GRAIN AND FORAGE BLENDERS AT PENN STATE'S AG PROGRESS DAYS - Aug. 23-24-25



Model 25 Shown

Mix grain, vitamin and minerals supplements thoroughly, efficiently — with this new grain blender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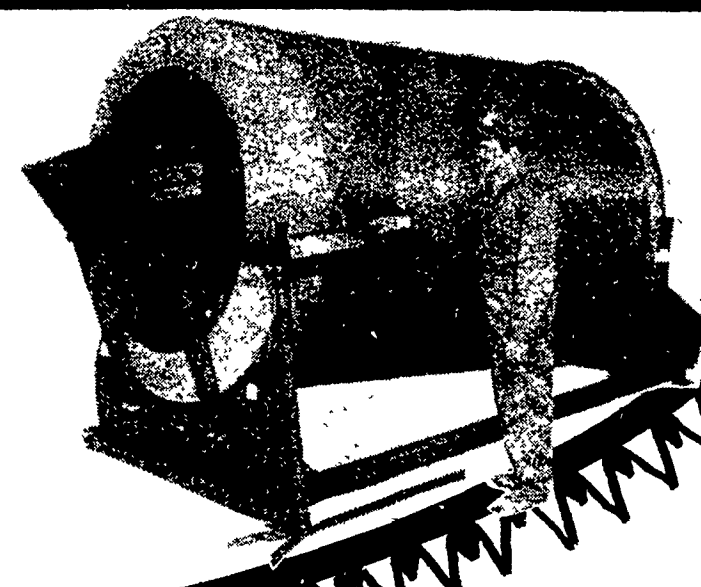

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Milk Check

(Continued from Page D37)

Also, of some concern is the uncertainty of participation by producers in the compromise legislation as well as its effectiveness in the long run correction of the supply-demand problem. Some of these are the same concerns that Congress is hearing from the industry which on top of a lack of real enthusiasm for the compromise bill is part of the reason for the stand off in the Senate committee. It would appear that if the industry wants a diversion program they'll have to fight for it now or it will be lost.

Hearing Scheduled

The long awaited hearing on the expansion of Order 2 and Order 4 marketing areas into north central and northeastern Pennsylvania has been scheduled for July 19 at 9:30 a.m. in the Holiday Inn West at Allentown. The proposals in the Notice of Hearing and the only ones to be discussed included one from Pennmarva (except Lehigh Valley) that would expand Order 4 into 12 counties from Northampton to Snyder and from Berks to Luzerne. NEDCO's proposal would include only Berks, Lehigh and Northampton in Order 4. Eastern and NEDCO combined to propose an expansion of Order 2 to 20 counties from the New York border south to Snyder and east to Monroe. No proposals to merge the two orders were included. There were a total of 11 proposals in the notice but only three were on the marketing area expansion. Three were on location differentials for handlers on Class I milk; two were on time and rate of payments and two on pooling and classification all in Order 2.

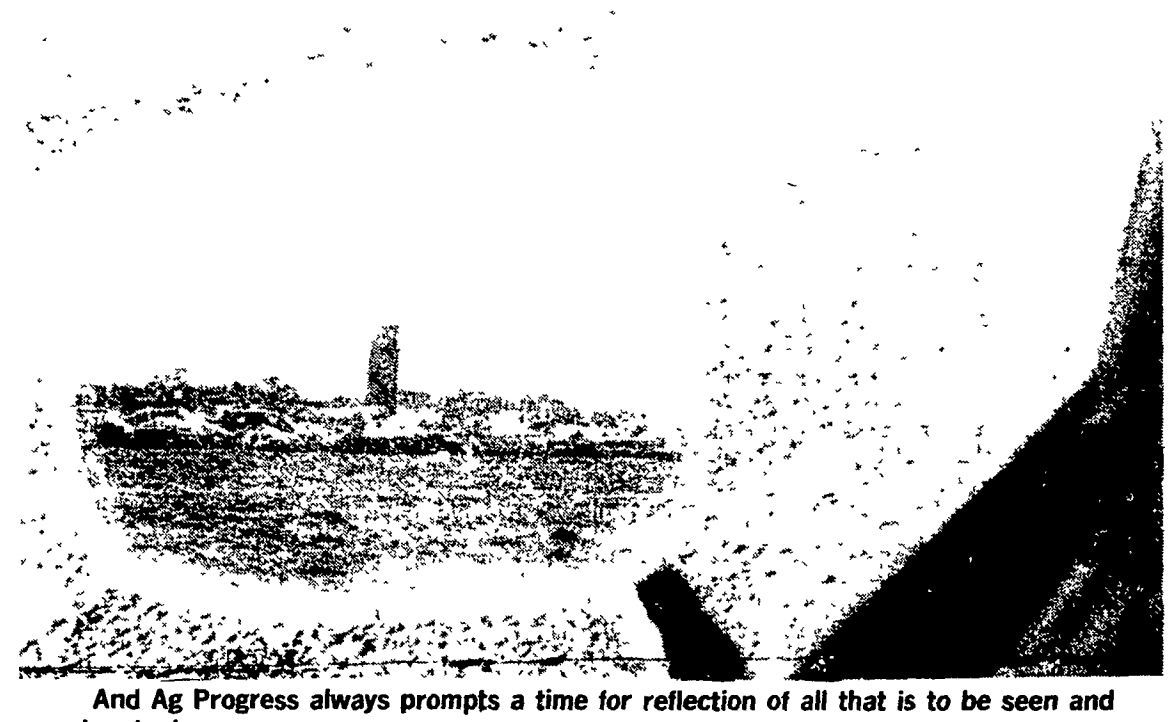
History Repeating

Most surprising was the proposal to lower the Class I differential in Order 4 from $2.78 to $1.90 - a drop of 88 cents a hundred. It was November 1977 that Order 2 dropped their Class I differential from $2.40 to $2.35 to stay competitive with Order 4 and recapture lost sales that ran as high as 30 million pounds of Class I milk every month particularly in northern New Jersey. That was 29 per cent of the fluid milk consumed in the area and was costing Order 2 producers about 10 cents a hundred on their blend price. The 15 cent drop in the Class I differential was only a part of a total package of changes in Order 2 at that time to preserve farm point pricing and stay competitive in the market.

Now a proposal to lower the Class I differential in Order 4 would swing the difference from 53 cents in favor of Order 2 to 35 cents in favor of Order 4 handlers. Of course, it's only a proposal now for the July 19 hearing but could have a serious impact on Order 2 sales if a change is made. Which only points up the need for closer scrutiny of Class I differentials in all federal orders and the over lap in marketing areas between Order 2 and Order 4 as well as what happened to the ideas for merging the two orders.

THINK AHEAD...
Read Futures Markets on Page 3.

1982 Ag Progress Photo highlight



And Ag Progress always prompts a time for reflection of all that is to be seen and absorbed.

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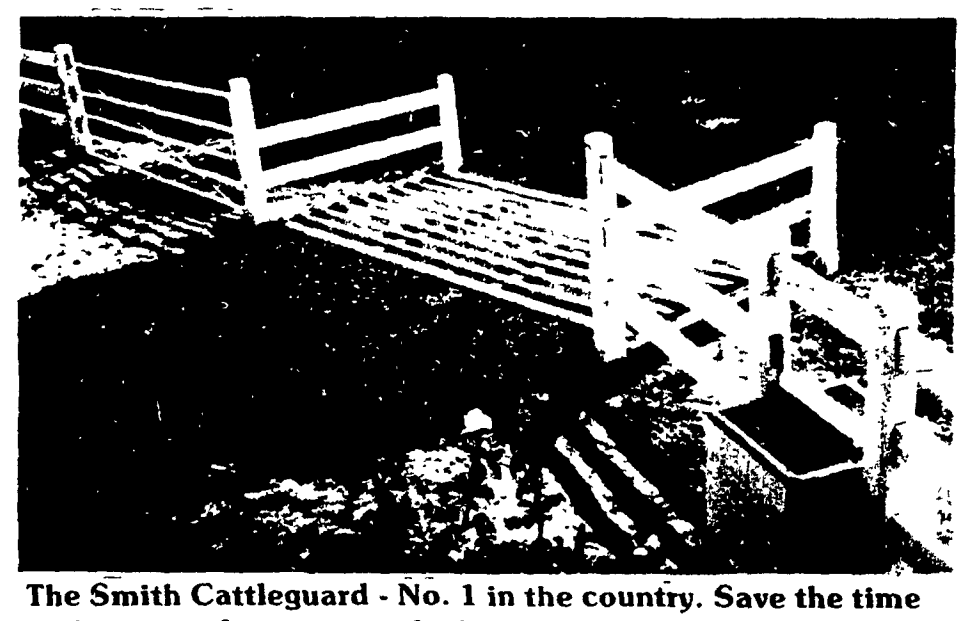

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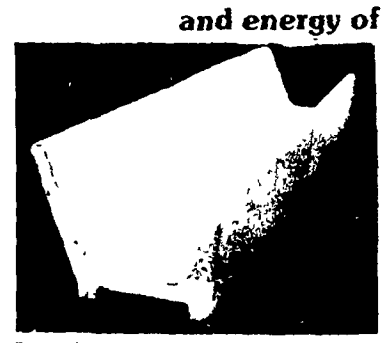

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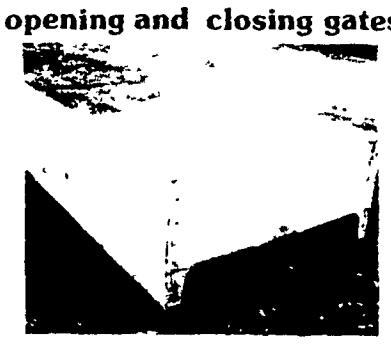

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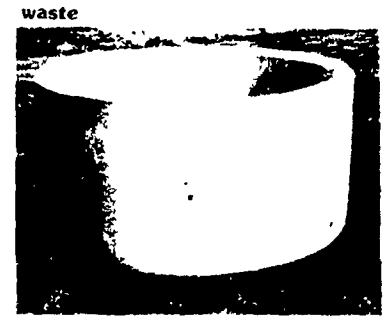

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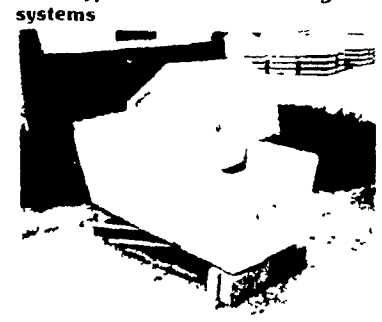

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Residue protection stressed in poultry industry

WASHINGTON, D.C. — Today's poultry farmer runs such a sophisticated operation that the fat from six chickens can be used to assess the safety of 15,000 birds.

"Projecting the condition of a flock based on tests of a few birds may sound like guesswork, but it's a highly accurate procedure," said Donald L. Houston, administrator of the Food Safety and Inspection Service, U.S. Department of Agriculture.

"That's because poultry farmers raise the birds under close controls and test for residues of chemicals before the birds go to slaughter," Houston said.

"Industry residue controls are in place for nearly 100 percent of the broilers — chickens — and 80 percent of turkeys raised in this country," he said. USDA's inspection program benefits from these industry efforts, because five of the largest poultry-producing firms share their data under terms spelled out in cooperative agreements."

The first agreement was signed in 1976 with a turkey producer. Since then, four more poultry firms have entered into cooperative agreements. And, in 1982, the first commodity group — the National Broiler Council — drew up an agreement with USDA that serves as a model for agreements with individual chicken producers.

"The agreements don't replace USDA inspection, but they do enhance our ability to assure the public a safe and wholesome poultry supply," Houston said. "While USDA tests tissue samples taken at the slaughterhouse, industry samples birds from live flocks still on the farm."

According to Houston, if a firm finds signficiant levels of a pesticide in birds up to five days before slaughter, under the agreements the firm must report its results immediately to USDA and test an additional 30 birds. If this testing shows residues at hazardous levels, the firm holds the entire flock back from slaughter. At that point, USDA works with the company to uncover the problem's extent and cause.

"Such occurrences are rare because of the care taken to avoid residues on the farm," Houston said. "Poultry firms plan production carefully and closely monitor each stage. Breeding operations are highly specialized, eggs are hatched in antiseptic hatcheries, and the birds are raised with scientific precision."

Everything given the birds is carefully controlled and evaluated. Feed, for example, must meet specifications. In addition, the poultry firm tests the feed for residues of pesticides, industrial chemicals or drugs. It even checks wood chips for preservations before using it as litter.

"Should birds accidentally be contaminated and the problem not be discovered until after poultry leaves the plant, the company would have to remove the birds from commerce," said Houston. "That hasn't happened, however. USDA has never found residue violations in slaughtered poultry from the five firms with cooperative agreements — and we've been checking their product carefully. Industry has reported problems to USDA, but always before birds reached slaughter," he said.

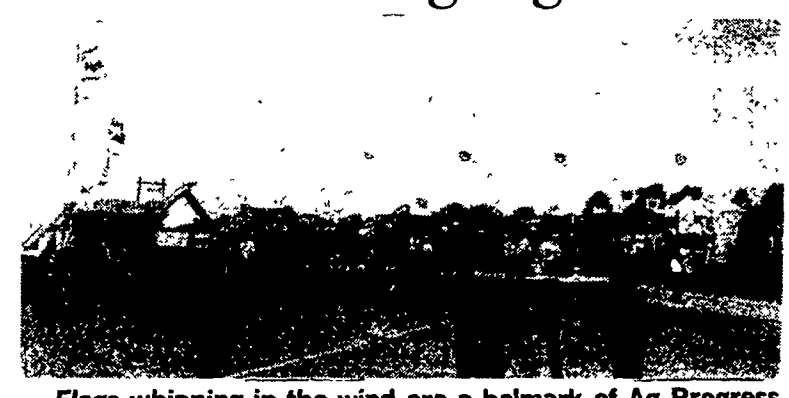
"Residue prevention on the farm makes cooperative agreements work. By sharing information, USDA and the industry are doing a better job of ensuring the safety of the poultry supply than either of us could alone," Houston said.

"In addition to the approximately 5,000 samples of chicken and turkey USDA routinely analyzes to monitor poultry for residues, we have the added benefit of industry production controls and laboratory testing," he said.

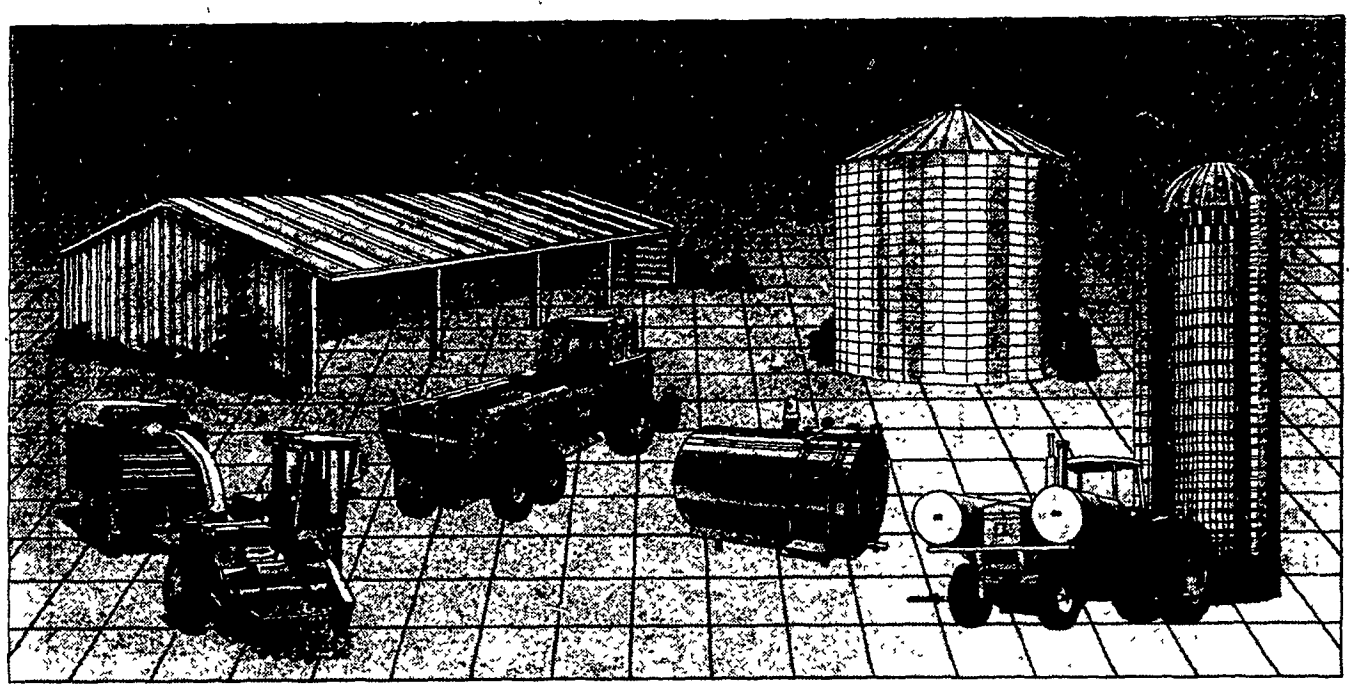
"Industry's elaborate quality assurance and testing programs ensure that poultry is safe, wholesome and unadulterated before the birds are presented for inspection. But industry's stake is bigger than compliance with the law. Sales rely heavily on consumer confidence in product safety and uniformity.

"So, it makes 'dollars and sense' for firms to make certain their products are safe and wholesome, by checking their birds for residues," Houston said. "It's no accident that the most plentiful poultry supply in the world is also the safest."

1982 Ag Progress Photo highlight



Flags whipping in the wind are a hallmark of Ag Progress Days.



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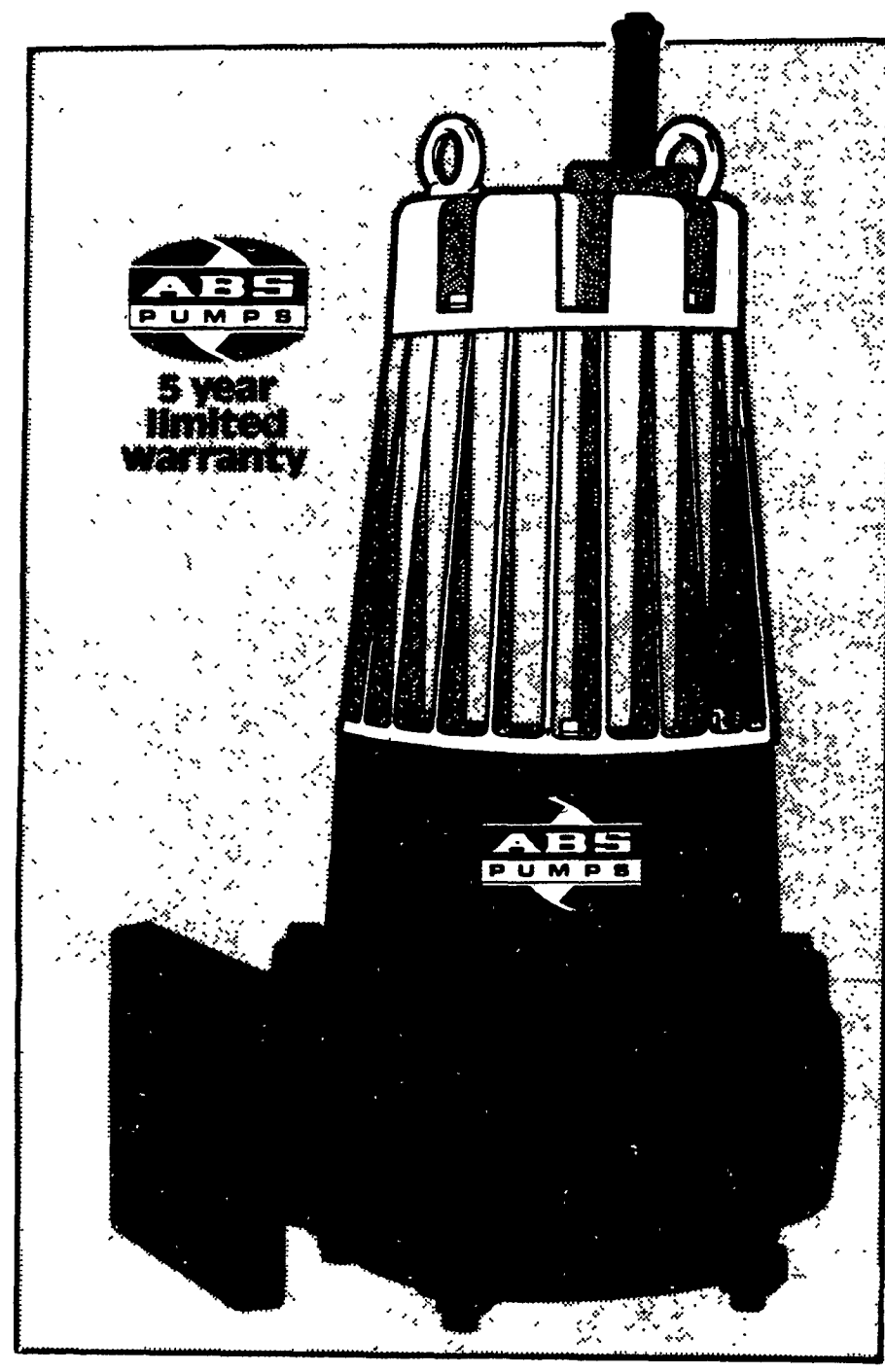

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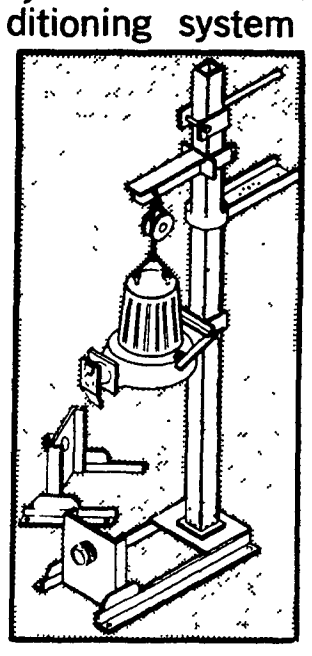

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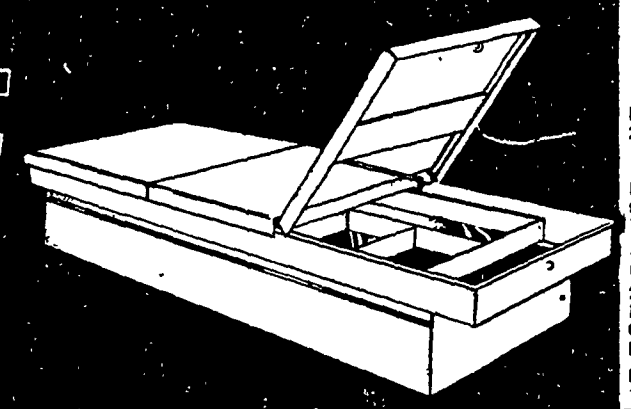

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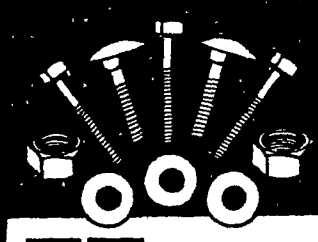

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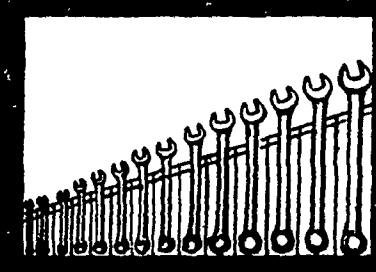

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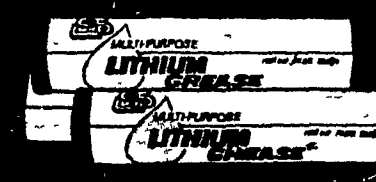
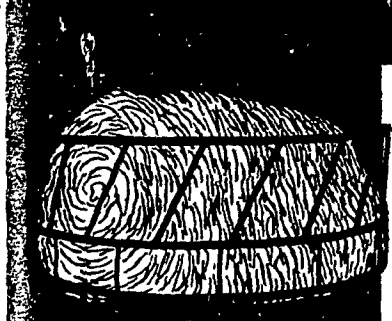
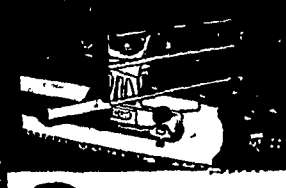
14 Pc. Wrench Set
Combination box and open end in its own roll-up pouch. Sizes ⅜" to 1 ¼".



59¢
Reg. 79¢ / SAVE 25%
13999-272
Grease Cartridges
Top quality, multi-service, Super Lithium grease 25 cartridges per case.



129.99
Reg. 149.99 / SAVE 20.00
17742-253
Round Bale Hay Feeder
8 ft. diameter feeder. Made of heavy 1⅝" tubing with 1" slant bars. Legs prevent freezing down.



9.99
Reg. 15.88 / SAVE 5 89
79020-353
Sure Sharp®
Guide clamps on to chain saw bar. Guide sets correct angle for file to ensure perfect saw chain cutter sharpness everytime. Takes the guessing out of filing cutting chain. Includes file handle.

VISA MasterCard

CENTRAL TRACTOR **FARM & FAMILY CENTER**

We strive to give you Top Value for your dollar. Stock up now while prices are low!

An Advertising Supplement to Lancaster Farming, Aug. 20, 1983

These Prices Only Good in Stores Listed Below

CHAMBERSBURG, PA. 17201
1351 Lincoln Way East
Phone 717/264-8282
Store Hours: 9-6 Mon.-Thur. / 9-9 Fri./ 9-5 Sat.
SALE STARTS NOW — ENDS Sat., Sept. 3, 1983

LANCASTER, PA. 17601
1570 Manheim Pike, Hwy. 72 North
Phone 717/569-0111
Store Hours: 8:30-5:30 Mon.-Fri. / 8:30-5 Sat.
SALE STARTS NOW — ENDS Sat., Sept. 3, 1983

QUAKERTOWN, PA. 18951
Quakertown Plaza Shopping Center
Phone 215/538-2494
Store Hours: 9-6 Mon.-Wed.
9-9 Th. & Fri. / 9-5 Sat./12-5 Sun.
SALE STARTS NOW — ENDS Sun., Sept. 4, 1983

FLEETWOOD, PA. 19522
R.D. 4125 Fleetwood-Lyons Rd.
Phone 215/944-7486
Store Hours: 8-7 Mon.-Fri.
8-4 Sat.
SALE STARTS NOW — ENDS Sat., Sept. 3, 1983

Prices subject to change without notice-We reserve the right to limit quantities-Sale prices good for sale dates only!

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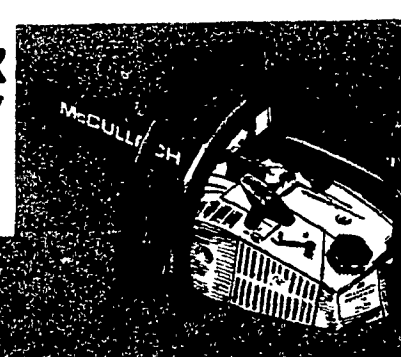
CENTRAL TRACTOR **FARM & FAMILY CENTER**



25.99
Reg. 28.88 / SAVE 2.89
79241-353
Lift'N Cut Log Jack
A log jack that will save you money when you cut firewood. It holds logs off the ground so chain saws won't run in dirt or stones and ruin the cutting chain. And when the log is lifted it's held firmly, securely. Saw bars are less likely to get jammed in cut

199.99
28051-098
Power Mac 310 16"
The Power Mac 310 adds new dimensions to cutting with a 16" laminated sprocket tip bar. Features include a wraparound Chain Brake/Hand Guard, muffershield, chain catcher, throttle latch, and safety trigger, automatic and manual oiler, safety chain and non-metallic components to dampen vibration. 2.10 cu. in. engine.

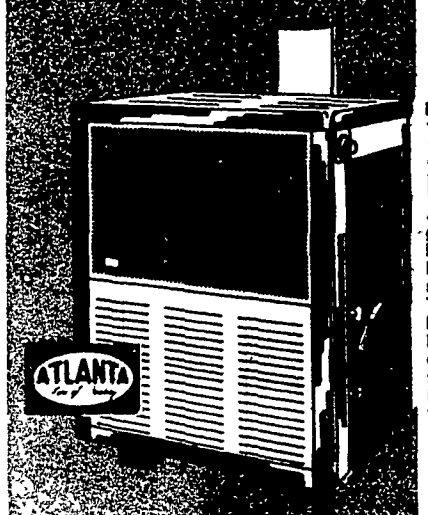
44.99
Reg. 49.99 / SAVE 5.00
11138-097
8" Limb N' Trim
The double insulated motor features 7 amp. with no load speed sprocket of 5400 R.P.M. caged roller and bronze bearings for balanced power and long life. 115 volts

Deluxe 12" Limb N' Trim .. 49.99
11148-087 .....Reg. 54.99

8.49
Reg. 9.99 / SAVE 1.50
20088-149
Single Bit Axe
3½ lb. felling axe has drop forged head with 32" handle of hardwood, laquered. Handle is permanently bonded with exclusive fixative process.

27.99
Reg. 29.99 / SAVE 2.00
20002-149
Chopper 1™ Log-Splitting Axe
Sticking is virtually impossible. Takes the hard work out of log splitting. Does the job faster and easier than ever before. 36" wood handle.

36" Fiber Handle 20010-149
Reg. 33.99 ..... SALE 29.99



399.99
Reg. 429.99 / SAVE 30.00
12642-340
HOMESTEADER™ DUAL-FUEL
Atlanta has combined quality with good looks and efficiency in the HOMESTEADER. The rich brown Bonderized, enamel finish is scratch resistant and cleans easily. This stove is a coal burner either hard or soft coal as well as a wood-burning stove. Equipped with specially designed heavy duty cast iron roller grate. Ceramic firebrick lined firebox helps keep interior temperatures high, giving increased burning efficiency. Coal chute swings down for easy loading. Convenient twist handle opens the grate to deposit ashes neatly in ash pan

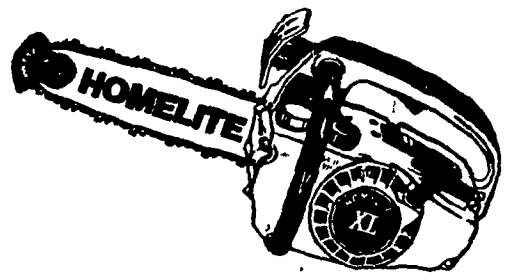
13.99
Reg. 15.99 / SAVE 2.00
20073-149
6 Lb. Maul
Drop forged 6 lb maul with laquered hardwood handle Sledge eye.

159.99
Reg 169.99 / SAVE 10.00
12997-279
3 Pt. Hitch Log Splitter
Mounts on back of category 1 or 2 tractor in minutes. Delivers up to 31,400 lbs of splitting force with a 4" diameter x 24" stroke cylinder. 6" x 6" steel I beam. High carbon steel wedge with ground edge and spreader wings. Handles logs up to 26" long Less cylinder, valve and hoses. Use with a 3", 3½" or 4" cylinder depending on tractor PSI

3 pt. Hitch Log Splitter ..... SALE 144.99
4"x4" reinforced steel I-beam 13085-279Reg 159.99

859.99
Reg. 899.99 / SAVE 40.00
13092-279
16 Ton Low Profile Log Splitter
2-stage pump 5 Hp. engine has splitting force of 32,000 lbs Automatic retraction of cylinder. Handles logs up to 26" long. Road speed tubeless tires and a 1⅞" ball hitch coupler w/safety chain.

759.99
Reg. 799.99 / SAVE 40.00
13078-279
12 Ton Log Splitter
2-stage pump,four way "Detent oneway" valve with a 3½"x24" cylinder. This 5 hp. model will handle logs up to 26" long. Has low-speed tires on rims.

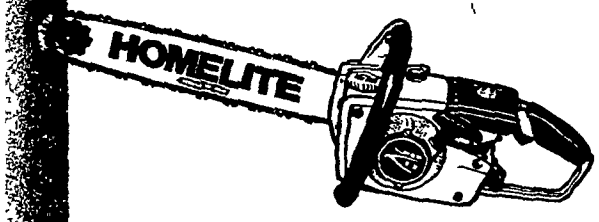


89.99

27918-097

Homelite XL® 10"

10" guide bar and chain, automatic chain oiling. Rugged construction for lasting performance.

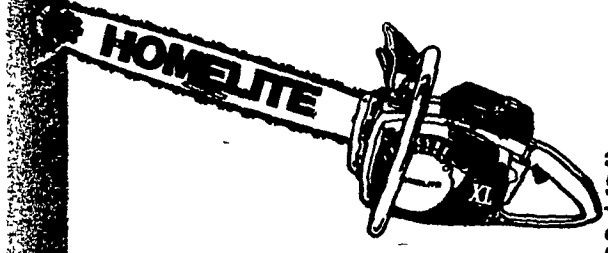


239.99

27922-098

Homelite® Super EZ®

2.5 cu. in. engine with compression release, 16" Power Tip® bar, auto and manual chain oiling.



319.99

28150-068

Super XL 20"

Top quality lightweight for heavy duty performance. 3.5 cublic in. engine. Automatic and manual chain oiling. Optional exclusive SAFE-T-Tip® prevents kickback. Keeps you in control.

6.99

Reg. 7.97 / SAVE 12%
21978-173

5 Gal. Gas Can

Rugged steel can with flexible spout. 11½" diameter x 16". *Not available in Massachusetts.*

2 Gal. Gas Can 21979-173
Reg. 3.88 ..... SALE 3.19

9.49

Reg. 11.49 / SAVE 2.00
18700-138

BC TYPE 13.99

Reg. 16.49 / SAVE 2.50
18702-138

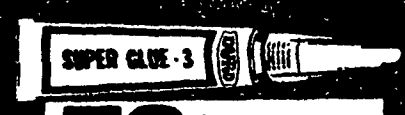
ABC Type 24.99

Reg. 28.99 / SAVE 4.00
18715-138

2A 40BC Fire Extingusher

Heavy Duty Load Binders

¼" chain 10730-078 Reg 12.89 — **10.99**
⅜" chain 10731-078 Reg 20.89 — **17.99**
½" chain 10732-078 Reg 25.99 — **21.99**

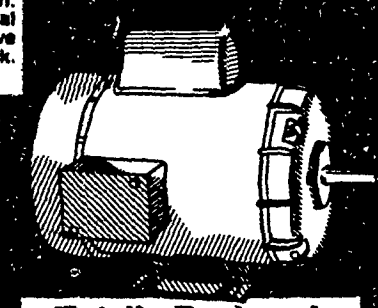


79¢

Reg 1.19 / SAVE 33%
27390-232

Super Glue

One drop holds a ton. The miracle of cyancrylate is that is super fast, super strong, clear and permanent. 3 gram tube.



Totally Enclosed Farm Duty Electric Motors

Designed for use in inclement environments. Gives longer life for many farm duty and industrial jobs. Rotation easily reversed. Comes with ball bearing shaft gasketed capacitor cover, conduit box, and manual reset. 1.15 service factor.

½ H.P. 18220-103 Reg. 87.99 — **79.99**
½ H.P. 18221-103 Reg 97.99 — **88.99**
¾ H.P. 18222-103 Reg 115.99 — **104.99**
1 H.P. 18223-103 Reg. 126.99 — **114.99**
1½ H.P. 18224-103 Reg 163.99 — **147.99**
2 H.P. 18255-103 Reg 199.99 — **184.99**

55¢

Reg. 69¢ / SAVE 20%

Hy-Glo Aluminum Signs

10"x14" with bright fluorescent lettering on black background.

For Sale 23802-196
No Trespassing 23803-196
No Hunting 23804-196
Keep Out 23805-196
Beware of Dog 23806-196
Legal No Trespassing Sign white with red letters 23807-196

Package of 10

99¢

Reg. 1.19 / SAVE 16%
23810-196

No Hunting Signs

7" x 11" white posterboard with black lettering.

Towing Chain

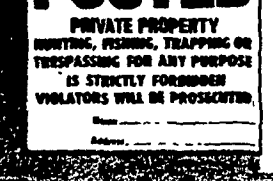
5/16" x 14' 10608-072 Reg 17.49 — **13.49**
⅜" x 14' 10600-072 Reg 22.99 — **17.99**
5/16" x 14' HI Test 10751-072 Reg 20.99 — **18.99**
⅜" x 14' HI Test 10769-072 Reg 28.99 — **24.99**

2.89

Reg. 3.59 / SAVE 19%
10855-090

Belt Dressing

Belt dressing is not sticky, does not contain rosin or injurious substances, yet effectively eliminates belt slipping. This dressing is not affected by heat or cold and can be used on all types of leather, rubber, canvas, or cotton belts. 16 oz. spray.



39¢

Reg 49¢ / SAVE 20%
23813-196

Posted Sign

Posted sign on heavy plastic on yellow background with black letters.

CENTRAL TRACTOR

FARM & FAMILY CENTER

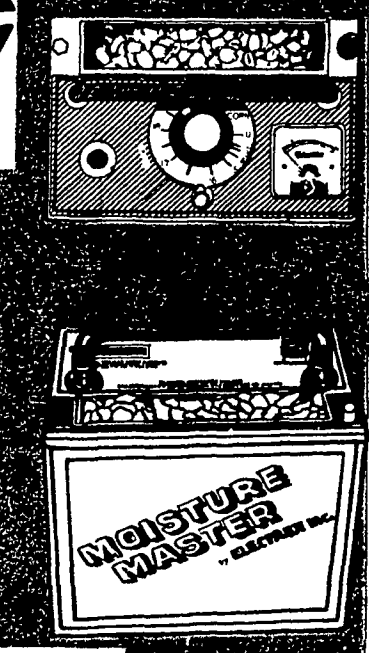
Vinyl Coated Hitch Pins

Durable pin made of high tensile steel-heat treated, welded plastisol coated head and handle. Designed for todays modern heavy equipment Hairpin included.

5/8" x 5 1/2" 94035-039 Reg 4 19 — **3.19**

3/4" x 5 1/2" 94042-039 Reg 4 99 — **3.79**

7/8" x 6 1/2" 94050-039 Reg 6 39 — **4.79**



74.99

23925-102

Portable Grain Moisture Tester

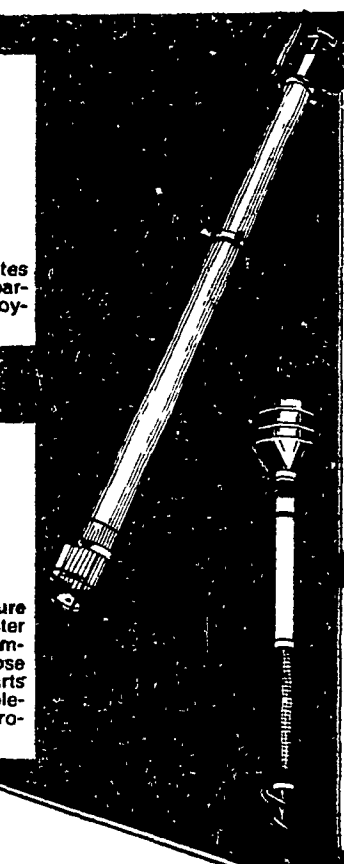
Complete with battery. Plates included are for wheat, oats, barley, rye, corn, grain sorghum, soybeans, and rice.

129.99

Reg 139.99 / SAVE 10 00
23949-102

Moisture Master

Digital Electronic Grain Moisture Tester is an easy one-step tester that needs no temperature compensation. Has no scales to lose their tension and no movable parts to replace. Built to provide trouble-free service and increase your production time in the field.



Grain Augers

Augers come complete with belt, pulley, spout, motor mount, adjustable control sleeve. Elevates all grains at any angle. Adjustable to fit all electric or gas motors

4" x 11' Auger 9387-039 Reg 114 99 — **99.99**

4" x 16' Auger 9388-039 Reg 139 99 — **119.99**

5" x 11' Auger 9389-039 Reg 129 99 — **114.99**

5" x 16' 9390-039 Reg 159 99 — **144.99**

6" x 16' 94011-039 Reg 219.99 — **189.99**

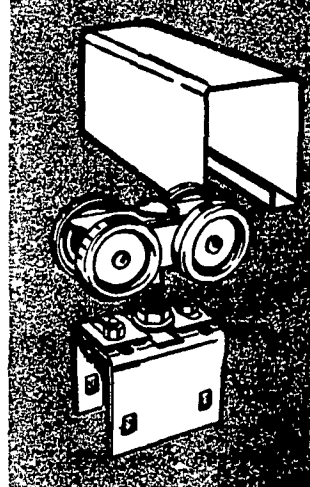
Auger Hopper 9395-039 Reg 36 99 — **31.99**

69.99

Reg. 89 99 / SAVE 20.00
24575-268

Grain Aerator

Economical drying and aerating of your grain in either flat or round storage. Aerates up to 5,000 bushels and up to 18 feet deep.



Barn Door Track

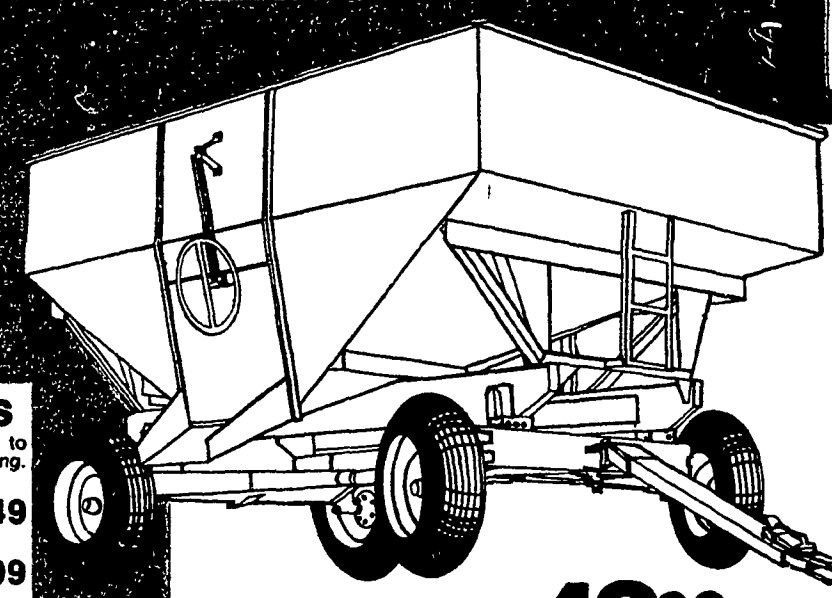
For doors weighing up to 400 lbs. Heavy galvanized coating. 16 gauge steel 1¾" wide, 2¼" high

8 Ft. 24909-224 Reg 17 49 — **13.99**

10 Ft. 24970-224 Reg 21 99 — **17.99**

12 Ft. 24971-224 Reg 25 99 — **20.99**

Door Hangers 24977-224 Reg 22 99 pr — **18.99**



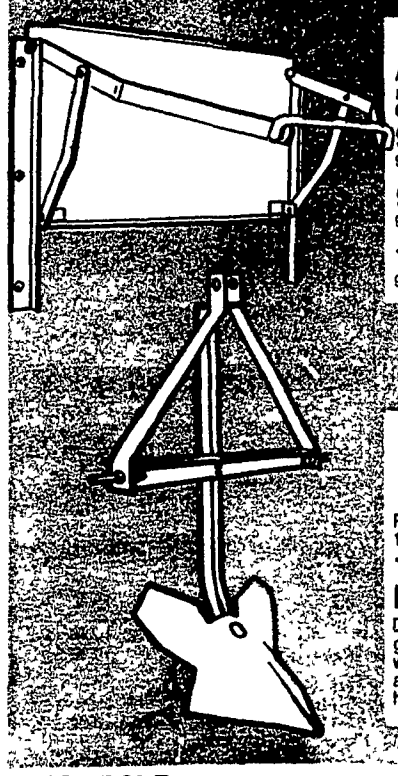
56.99

Reg. 63.99 / SAVE 7.00
165 Bushel 20545-161

61.99 Reg 69 99 / SAVE 8 00
225 Bushel 20552-161

Gravity Box Covers

Three formed corners; fourth corner has expansion gusset. 12 oz. vinyl laminated nylon. Electronically welded seams. Water, mildew and rot proof.



Grain Gates

All steel construction, easy to install, no sticking or binding. Chutes not included.

9" x 9" 95180-067 Reg 14 75 — **13.49**

9" x 18" 9511-067 Reg 17 49 — **15.99**

12" x 21" 9512-067 Reg 19 99 — **17.99**

479.99 Plus Freight

28900-250

Model 165 Box

599.99 Plus Freight

28901-250

Model 225 Gravity Box

Ends, sides and bottom are 14 gauge prime steel, super-structure is formed steel plate. Wagon and tires not included. **Not stocked at all locations.** Subject to stock on hand.

42.99

Reg 44.99 / SAVE 2.00
20320-159 F.E.T. 1.38

9.5L x 15" 8 Ply Hi-Flotation Tires

Tube for above Reg. 12.99
20321-159 F.E.T. 35¢

47.99

Reg. 49.99 / SAVE 2.00
20319-159 F.E.T. 1.54

11L X 15" 8 Ply Hi-Flotation Tires

Tube for above Reg. 12.99
20314-159 F.E.T 41¢
Prices do not include F.E.T.

Central Tractor Wagon Gear

Featuring one piece steering rod, all-welded construction, rear hitch, and pressure type grease fittings. Bolster stakes can be set at 38" or 42" width. Gear capacities are gross weight at farm tractor speeds. All units comes less tires.

6 Ton 80765-046 Reg 419 99 — **379.99**

8 Ton 80772-046 Reg 479 99 — **439.99**

10 Ton 80780-046 Reg. 569 99 — **529.99**

79.95

Reg. 89 95 / SAVE 10.00
13537-063

1 Row 15" Potato Plow

Designed for the truck operator, gardener and farmer. Features a welded, heavy angle tool bar frame and 1" x 4" shank. Fits category 1 hitches.

- 1 QL Slip-Plate® ..... **NOW 8.99**
  Graphite based lubricating paint. 27396-232 .....Reg. 9.89
- Slip-Plate Aerosol ..... **NOW 4.99**
  Graphite lubricating paint, 14 oz. aerosol. 27397-232 .....Reg. 5.45

As Low As

3.59

SAVE up to 23%
020 Series

Tractor Tune-up Kits

Save now on many popular tune-up kits sale priced from 3.59 to 5.99

8.49

Reg. 9.99 ea. / SAVE 1.50

5" Sealed Beam Tractor Lights

Lamp body is fashioned from heavy gauge steel. Complete with GE 4½" sealed beam.

6 volt	901-005
12 volt	902-005

As Low As

1.99

Save up to 18%
429 Series

Hastings Tractor Oil Filters

Sizes for most popular makes of tractors are on sale now. Stock up and save Sale priced from 1.99 to 3.59

15.99

13394-063

Category 1 Drawbar

Economy Drawbar 1" x 2½" x 26" 5 hole drawbar. Wt. 17 lbs.

11.99

13415-063

Forged Toplink

Category 1. Adjustable from 20½" to 29", thread 1⅛" NC, ¾" sockets

Cat. 2 Toplink..... NOW 14.99
13642-063

Replacement Combine Parts

- CONCAVES
- CYLINDER BARS
- RADDLE CHAINS
- FEEDER CHAINS
- GATHERING CHAINS
- GUARDS & SECTIONS

Stop in at your nearest Central Tractor store for our low quotation or call for prices and availability by Make and Model. All orders shipped direct from factory. Allow 2-3 weeks for delivery.

1.69

Reg. 2.19 / SAVE 22%
18629-234 / 16 oz.

Chain Lube

For use on all types of chain, sprockets, link and roller assemblies, cables & Linkages. Penetrates, lubricates & protects bearings, pins, bushing and all other metal to metal moving parts from excessive wear.

Agricultural Implement Ball Bearings

Pre-Lubed Bearing

These precision ground ball bearing inserts are self-aligning and prelubricated for low maintenance

Bore	Stock #	Reg	SALE
¾"	42157-465	5.75	4.49
⅞"	42164-465	6.39	4.99
1"	42189-465	6.39	4.99

Wide Race Bearing

Self-aligning, precision ground ball bearing inserts are the type that can be relubricated.

Bore	Stock #	Reg.	SALE
¾"	42027-465	7.29	5.79
⅞"	42034-465	8.19	6.49
1"	42059-465	8.19	6.49

Roller Chain

10 Ft. Rolls

REGULAR ROLLER CHAIN

Type Chain	Pitch	Approx Width	Rollers per ft	Stock No	NOW
40	½"	5/16"	24	4000-024	12.99
50	⅝"	⅜"	19	5000-024	16.99
60	¾"	½"	16	6000-024	23.99
60H	¾"	½"	16	6003-024	25.99

EXTENDED PITCH ROLLER CHAIN

2050	1¼"	⅜"	10	5200-024	12.99
2060	1½"	½"	8	6300-024	17.99

SAVE up to 7.30

Mufflers

For Allis Chalmers

Model	Stock No	Price	SALE
B, C CA RC to 1952 1¼ dia	8043-123	9.29	7.99
B CA D10 D12 D14 D15 to ser #9001, 1⅜" dia	8041-123	13.49	11.99
WD WD45 D17 up to 1961 1⅜"	8042-123	12.99	11.49

For Case

VC 350 500 600 300 VA series 200B 300B 400B 500B 2 dia	8048-123	11.49	9.99

For John Deere

B series after Serial No B96000 50 520 530 2¼ dia	8053-123	9.99	8.69
A G 60 70 620 720 2½" dia	8054-123	12.29	10.49
M 40 MT series with welded 2-hole Flange 2 dia	8114-123	11.69	10.49
3010 3020 4010 4020 series gas & LP 3010 diesel to ser #1T6643			
4010 diesel to ser #2T7026	8114-123	19.79	17.49
4010 diesel after ser #2T7026 4020 diesel	8121-123	24.29	20.99

For Ferguson

TO20 TO30 1-piece muffler and pipe assembly horizontal 1½ dia	8064-123	11.89	10.49

For Ford

9N 2N 8N 1939-52 horizontal 1½ dia	8070-123	11.29	9.89
NAA 501 600 700 2000 1953-64 800 900 1955-57 horizontal 1" dia	8072-123	8.99	7.79
9N 8N, 2N upright muffler and pipe assembly 1¾ dia	8075-123	14.99	13.49
2000 3000 4000 5000 gas and diesel, 1965 to May 1968 (use 8162-123 adaptor)	8160-123	16.99	14.99
501 601 701, 2000 diesel 1959-64 800 900 gas and diesel 1958-64 horizontal 2 dia	8074-123	8.39	7.29

For IHC

H M 350 MD, 300 Super H W6 WD6, 450 400, Super M Super MTA 340, 460, 560 2½ dia	8082-123	11.79	10.49
140 130, 100 Super A AV B BN 240 230 C Super C 340 2 dia	8085-123	11.99	10.99
706 806 gas and diesel 3 dia	8126-123	17.99	15.99

For Oliver

66 77 88 Super (cut hole in hood)	8104-123	9.79	8.89
770 880 1600, 1650G 1800D	8105-123	14.99	12.99
1655D 1855G	8189-123	56.29	48.99

NYLON Tractor Fronts

*6 Ply all others 4 Ply

Size	Stock No.	F.E.T.	Reg. Price	SALE Price
4.00-15	15453-238	.52	24.99	22.99
5.00-15	15400-238	.68	29.99	26.99
7.5L-15	*15455-238	1.29	49.99	46.99
5.50-16	15401-238	.87	35.99	31.99
6.00-16	15402-238	.97	36.99	33.99
6.00-16	*15403-238	1.04	41.99	38.99
6.50-16	*15428-238	1.17	45.99	41.99
7.50-16	*15429-238	1.43	57.99	53.99
7.50-18	*15447-238	1.71	69.99	65.99
4.00-19	15423-238	.64	30.99	28.99

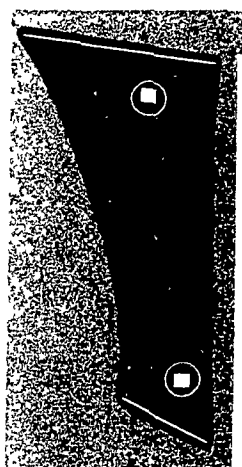
Prices do not include F.E.T.

Frost Proof Yard Hydrant

4½' Hydrant 22992-070 Reg 35.99 **29.99**

6½' Hydrant 22990-070 Reg 39.99 **33.99**

7½ Hydrant' 22991-070 Reg 41.99 **35.99**



Everyday Low Price
PLOW SHINS
For Plow Bottoms using Blade Type Shares

Drop forged out of high carbon steel Added thickness is forged where severest wear is encountered Order bolts separately as shin price does not include bolts

Model	Mfg No	Stock No	Price
Allis Chalmers 14' or 16"	324940	16007-002	6.49
Allis Chalmers 375 series 14 or 16'	340971	16053-002	6.89
Allis Chalmers 387 series 14' or 16	347649	16083-002	6.49
Case 14	W105485	16008-002	6.79
Case 16	W165485	16038-002	6.99
Ford Economy 12 , 14" or 16	104403	16009-002	6.49
David Brown 14 or 16'	HS10S	16084-002	6.49
John Deere RH 14'	8195A	16010-002	6.49
John Deere RH 16'	8196A	16011-002	6.69
John Deere NU 14" or 16	NU	16098-002	6.79
IHC (S C) 14 or 16"	522325R	16012-002	6.49
IHC (P C) 14" or 16"	515680	16772-263	8.79
Massey-Ferguson 14' or 16'	660-020-M91	16013-002	6.39
Massey Ferguson 14' or 16'	475191	16783-263	8.39
Massey Ferguson, 88 series 14 or 16"		16787-263	5.49
Minn -Moline 14' or 16	20P40	16786-263	5.49
Oliver 12", 14" or 16'	7488 (nar)	16015-002	6.49
Oliver 12', 14" or 16"	7490 (wide)	16016-002	6.19

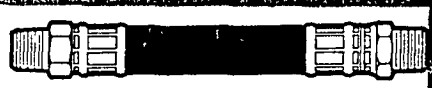
7.79

Reg 9 29 / SAVE 1 50
2 Gallons 14082-272

19.99 5 Gallons 13983-272
Reg 21 99 / SAVE 2 00

CT Lube Universal Hydraulic Oil

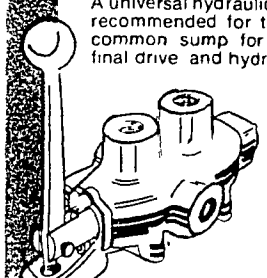
A universal hydraulic fluid which is recommended for tractors with a common sump for transmission final drive and hydraulic systems



HYDRAULIC HOSE
½" Two Wire Braid Hose

Complete with ½' solid male fittings on both ends ½ hose with 7' bending radius and 3500 lbs maximum working pressure

Length	Stock No	NOW
12 in	22527-105	4.39
18 in	22528-105	5.19
2 ft	22529-105	5.89
30 in	22530-105	6.59
3 ft	22531-105	7.39
4 ft	22532-105	8.99
5 ft	22533-105	10.49
6 ft	22520-105	11.99
7 ft	22521-105	13.49
8 ft	22522-105	14.99
9 ft	22526-105	16.49
10 ft	22523-105	17.99
12 ft	22524-105	20.99
13 ft	22534-105	22.99
15 ft	22535-105	25.99

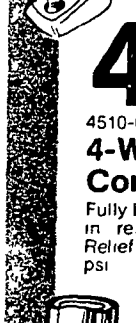


46.99

4510-008

4-Way Hydraulic Control Valve

Fully balanced self centering, built in relief valve easy mounting Relief valves are factory set at 1500 psi

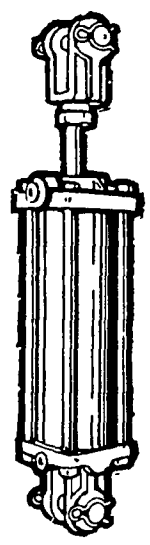


6.59

Reg 8 19 / SAVE 1 60
10865-092

Hydraulic Coupler

Complete coupler for ½



Hydraulic Cylinders

Up to 2500 psi , ASAE standard specifications

3"x8" 6501-017	49.99
3"x16" 6503-017	79.99
3"x24" 6504-017	84.99
3½"x8" 6585-017	59.99
3½"x16" 6587-017	89.99
3½"x24" 6588-017	99.99
4"x8" 6506-017	74.99
4"x16" 6592 017	109.99
4"x24" With 2 shaft 66076-017	124.99

SAVE up to 5.00
MOLDBOARDS
For Plows With Throw-A-Way Shares

Model	Mfg No	Stock No	Reg	Sale
Deere 14	HS314	16993-263	32 99	28.99
Deere 16"	HS316	16994-263	40 99	36.99
John Deere, NU 14"	AA14884	16798-263	45 99	40.99
John Deere, NU 16"	AA14885	16799-263	45 99	40.99
Ford 14"	104409	16996-263	36 99	32.99
Ford 16"	104412	16997-263	40 99	36.99
IHC Super-Chief 14"	522328R1	16700-263	33 99	29.99
IHC Super-Chief 16"	522329	16701-263	37 99	33.99
IHC Super-Chief Hi-Speed 14"	462313	16800-263	39 99	35.99
IHC Super-Chief Hi-Speed 16"	462314	16801-263	40 99	36.99
Minneapolis Moline or Oliver 14"	R419-14	16766-263	38 99	34.99
Minneapolis-Moline or Oliver 16"	R619-16	16767-263	41 99	36.99
Massey-Ferguson 14"	660010	16998-263	36 99	32.99
Massey-Ferguson 16"	660204	16999-263	38 99	34.99

EVERY DAY LOW
5.49

16" 11 gauge plain blade

Heat Treated Plain Disc Blade

18" 11 ga	NOW	6.79
18" 9 ga.	NOW	7.99
20" 9 ga	NOW	9.79
20" 7 ga	NOW	12.49
22" 7 ga	NOW	14.99
24" x ¼"	NOW	25.99

Notched Blades

16" 11 ga	NOW	5.49
18" 11 ga	NOW	6.99
18" 9 ga.	NOW	8.19
20" 9 ga	NOW	9.99
20" 7 ga	NOW	12.99
22" 7 ga	NOW	15.99
24" x ¼"	NOW	26.99

6.49

12795-001 2¼" Spacing
12796-001 2½" Spacing

Straight Chisel Spikes

2"x¾"x17" for 22" shank

6.49

Reg 6 99 / SAVE 7%
16085-002 Right Hand
16089-002 Left Hand

Twisted Chisel Spikes

Uses 2¼"-2½" spacing

Rock Share
BROKEN SHARE REPLACED FREE!
As Long As Share Is Not Worn Out.

Applies only to Rock Shares

The extra heavy duty long-wearing share is made of top quality spring steel Extra material is added to the nose of the share making it wear twice as long, and extra strong to eliminate breakage Our extra heavy duty plow shares wear as long as any other share on the market Order bolts separately from listing as blade price does not include bolts Front hole uses 1½' long bolt **Made in USA.**

FOR ALLIS CHALMERS
Uses ⅜" Clip Head Bolt

Size	Stock No	Price
All 14" except 375, 387 series	16017-002	8.99
14' 375 series	16054-002	8.99
16" 375 series	16087-002	9.79
All 14' and 16' 387 series	16082-002	9.29

FOR CASE
Uses ½" front bolt, ⅜' on others

14 4 hole	16019-002	8.29
16' 3 and 4 hole	16056-002	8.59
16' 4 hole, short	16078-002	8.99

FOR JOHN DEERE
3 hole uses 7/16" bolts, 4 holes uses one ½' & three 7/16" bolts

14 3 hole	16020-002	7.49
14' 4 hole	16021-002	7.49
14' 4 hole, short	16040-002	7.49
16' 3 hole	16022-002	7.99
16 4 hole	16023-002	7.99
16' 4 hole, short	16057-002	7.99
18' 5 hole	16095-002	8.69

FOR FORD
Uses 7/16" Clip Head Bolts

14' 3 hole	16024-002	7.49
14' 3 hole short	16039-002	7.49
14' 4 hole	16058-002	7.49
16' 3 hole	16025-002	7.99
16 4 hole	16072-002	7.99

FOR IHC
3 hole uses 7/16" bolts, 4 hole uses one ½" & three 7/16" bolts

14 3 hole	16026-002	8.29
14' 4 hole	16027-002	8.29
14" 3 hole, short	16073-002	8.29
14" 4 hole, short	16074-002	8.29
16" 4 hole, short	16075-002	8.59
16" 3 hole	16028-002	8.59
16" 4 hole	16029-002	8.59
18' 4 hole	16096-002	9.49

FOR MASSEY FERGUSON
Uses 7/16" bolts, 4 hole uses one ½" & three 7/16" bolts

14" 3 hole	16026-002	8.29
14' 4 hole	16027-002	8.29
14" 4 hole	16059-002	7.49
16' 4 hole	16060-002	7.99
18' 4 hole	16097-002	8.99

FOR OLIVER and MINN.-MOLINE
Uses 7/16' Clip Head Bolts

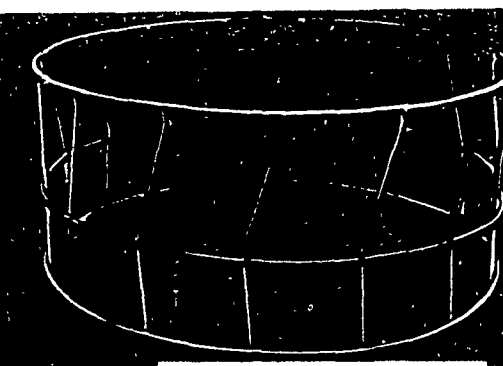
14' 4 hole	16035-002	8.29
14" 4 hole short	16041-002	8.29
16' 4 hole	16037-002	8.59
16' 4 hole short	16042-002	8.59
16" & 18 5 hole for Oliver only	16088-002	9.49

22.99
Reg. 24.99 / SAVE 2.00
24703-282
4 Pt. Gaucho Barb Wire
Gaucho barbwire is made of improved, high carbon steel wire that is drawn and galvanized in a highly specialized process. 15½ gauge, 4 pt. wire. 5" spacing 80 rod spools.

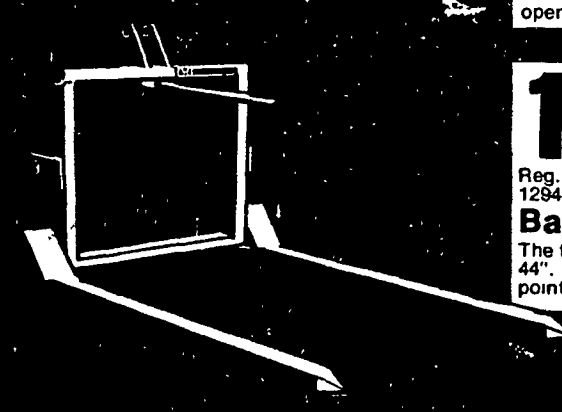
29.97
Reg. 31.97 / SAVE 2.00
24672-282
4 Pt. Barb Wire
12½ gauge, 4 pt. wire. 5" spacing. 80 rod spools. Made in USA.

2.33
Reg. 2.60 / SAVE 10%
24677-282
6' Steel "T" Post

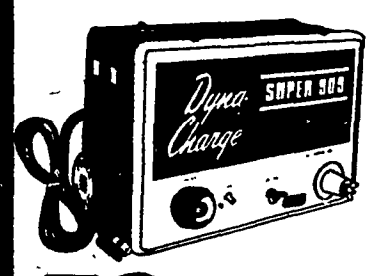
2.56
Reg. 2.85 / SAVE 10%
24690-282
6½' Steel "T" Post
Strong, durable studded "T" post with enamel finish for longer life. Includes five clips for attaching fence to post.



109.99
Reg. 119.99 / SAVE 10.00
17767-253
Round Bale Feeder
Heavy duty, 8' 4" diameter feeder 1" square tubing. 21 Feeder opening.



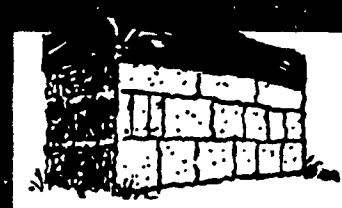
149.99
Reg. 179.99 / SAVE 30.00
12948-279
Bale Carrier
The tine length is 5 ft fork width is 44". The carrier attaches to any 3 point hitch tractor.



59.99
Reg. 65.99 / SAVE 6.00
17985-113
Module Fencer
Holds animals better under conditions such as wet fences, weeds and grass. Shocks through wet weeds.

14.99
Reg. 15.99 / SAVE 1.00
17984-113
Compact Economy Fencer
One-third the size of standard fencers. Continuous charge. 110 volt AC.

55¢ each
Reg. 69¢ / SAVE 20%
17895-130
Steel Rod Elec. Fence Posts
48" long, made of 1/32" steel. Regular prices may vary locally.



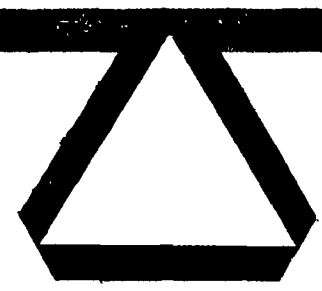
Polyethylene
Covers
100 ft. rolls of 6 mil thick, sun-resistant black polyethylene plastic. Provides protection that is air tight, water proof and acid resistant

16' Wide 12974-257 Reg. 39.99	**36.99**	**24' Wide** 12976-257 Reg. 59.99	**54.99**
20' Wide 12975-257 Reg. 49.99	**44.99**	**28' Wide** 12977-257 Reg. 69.99	**64.99**

2.99
Reg. 3.85 / SAVE 22%
9787-064
Seat Cushions
Economy cushion filled with shredded foam for medium to large pans, two-tone canvas.

Deluxe Seat Cushion . NOW 6.49
1½" molded foam pad with canvas cover 9788-064 .....Reg. 7.75

Deluxe Seat Cushion .. NOW 9.99
1½" firm poly foam covered with Naugahyde. 9837-064 .Reg. 13.49



3.29
Reg. 3.99 / SAVE 17%
23012-047
Certified SMV Emblem
Designed for use on slow moving vehicles for both day and night. Weather proof and approved by the National Safety Council and many other safety organizations.

Heavy Duty 12 Oz. Tarpaulins
Reinforced corners, grommets spaced every 4 feet, weather and water resistant

Cut Size	Finished Size	Stock No	NOW
6 x 10'	5'10"x9'7"	20451-161	19.99
8 x 10'	7 9'x9'x7"	20452-161	25.99
8 x 12'	7 9'x11'9"	20453-161	30.99
10 x12'	9'7"x11'7"	20455-161	38.99
10 x16'	9'7"x15'6"	20457-161	51.99
12 x16'	11'7"x15'6"	20459-161	61.99
12 x18'	11'7"x17 6"	20460-161	69.99
12 x20'	11'7"x19'6"	20461-161	77.99

Silo Caps
Hundreds of practical uses around the farm Sun-resistant black Air tight, water proof, and acid proof

14' Silo Cap 12980-257 Reg. 7.99	**6.99**	**18' Silo Cap** 12982-257 Reg. 12.99	**10.99**
16' Silo Cap 12981-257 Reg. 9.99	**8.99**	**24' Silo Cap** 12985-257 Reg. 21.99	**18.99**

CENTRAL TRACTOR **FARM & FAMILY CENTER**

34.99

Red 9462-060 / White 9464-060

5 Gallons Acrylic Latex Barn Paint

This high quality acrylic latex paint gives excellent durability. Self-priming, self cleaning, and not poisonous to animals *Reg. prices may vary locally.*

5 Gal. Oil Base House & Barn Paint
Red 9478-060 / White 9480-060
Reg 54 99 ..... **SALE 49.99**

29.99

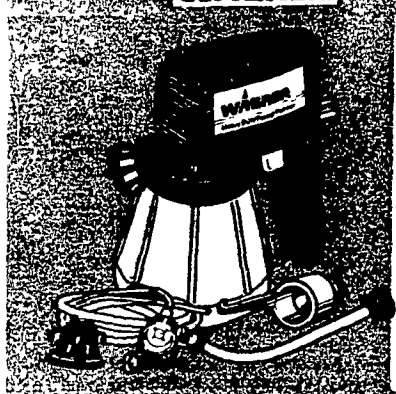
Reg. 34.99 / SAVE 5.00
13974-272

5 Gallons Aluminum Roof Coating

This asphalt base product provides a waterproof coating for outside wall surfaces as well as roofs.

Roof Brush 21622-169 **NOW 5.99**

WAGNER



99.99

Reg. 119 99 / SAVE 20.00
18250-106

Wagner® Heavy Duty Power Painter

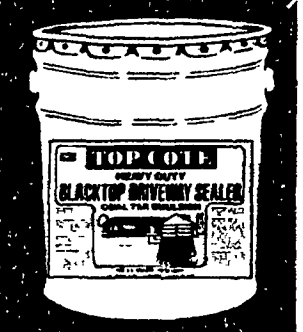
The Wagner Series 200 Heavy Duty cuts big and difficult jobs down to size It makes easy work of houses inside and out, porches, garages and fences It's also ideal for those smaller, but tough-to-paint jobs And it does it all without a bulky, expensive compressor!

3.29

Reg 3 95 / SAVE 16%
21906-171

4" Paint Brush

Polyblend wall brush recommended for latex and acrylic paints



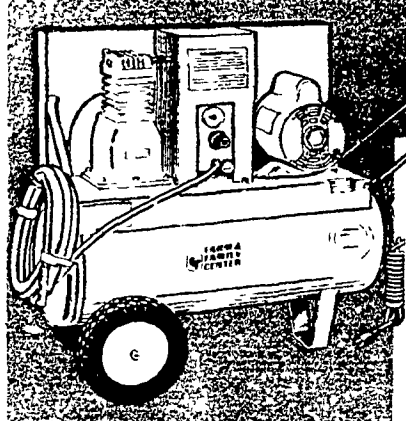
7.99

Reg. 8 69 / SAVE 8%
14010-272

5 Gallons Driveway Coating

Tar Emulsion Driveway Coating formulated to protect all types of blacktop pavements, playgrounds, parking lots, patios, from the damaging effects of weather, sun and petroleum spills Adds years of beauty and use to these surfaces.

Blacktop Coater 21625-169 / **2.99**



184.95

Reg 194 95 / SAVE 10 00
17980-106

½ Horsepower Air Compressor

10 gallon tank, 3 4 CFM displ , 2 2 CFM at 40 p s i Dial-O-Matic control with easy to read gauge enables you to dial the pressure desired-no additional regulator needed

15' Air Hose 17791-106 Reg 5 99
15' Air Hose 17791-106 Reg 5 99

99¢

Reg 1.19 / SAVE 16%
21927-171

Acrylic Latex Sealant

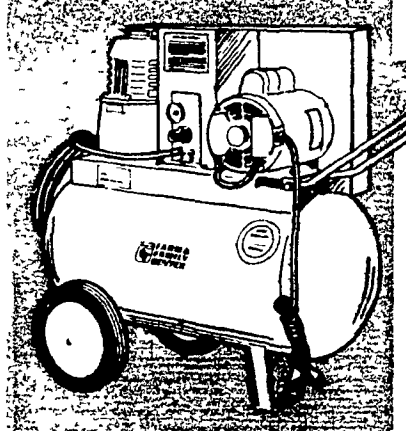
Adheres to all common building materials This is an excellent sealer, yet it comes off hands and tools with water

11.99

Reg 13 77 / SAVE 1 78
14139-272

5 Gal. Black Roof Coating

This fibered, black asphalt base coating resaturates old felt and creates a strong, waterproof, flexible coating that will extend the life of your roof



429.95

Reg 449 95 / SAVE 20 00
17984-106

2 Horsepower Air Compressor

This compressor matches a big 2 *hp electric motor, a big twin compressor* with an output of 7.8 c.f.m. at 40 psi and a 22 gallon tank Has many of the features of a big stationary unit, *yet it is as portable as* the ½ hp unit

15" Air Hose ... 17791-106 **5.95**

4.29

Reg 5 29 / SAVE 1 00
14016-272

Roof & Gutter Patch Tape

Elastic, butyl rubber provides long life. Won't dry out, crack or shrink. Conforms to irregular surfaces Big, 25ft. economy roll, 1¾" wide by 1/16" thick

8.49

Reg 9 99 / SAVE 1.50
25 Ft 16/3 96228-055

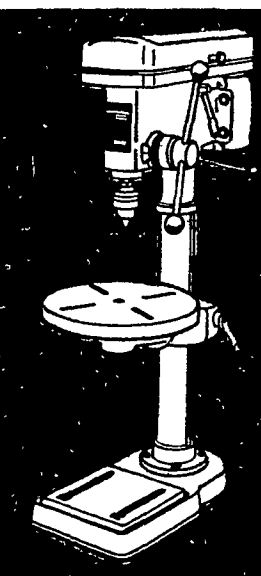
12.99 Reg 15 49 / SAVE 2 50
50 Ft 16/3 96235-055

Power Blocks Three Outlets

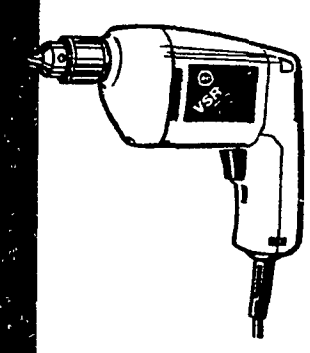
Multiple Outlet Extension Cords. Heavy duty power blocks have three grounded outlets-the most allowed for outdoor use by U.L. One convenient cord provides 3 outlets for those jobs using two or three tools Save the cost and clutter of having to use several cords. Cord color Orange.

SHOP AT YOUR NEAREST CENTRAL TRACTOR FARM & FAMILY CENTER AND SAVE

16.99
Reg. 19.99 / SAVE 3.00
28211-311
Solid State Shop Light
100% Solid State UL Listed. Instant start, long life. Lightweight, Only 2½ lbs.. Prewired, ready to hang, no special tools required. Included 2, 4 foot, 40 watt florescent tubes.

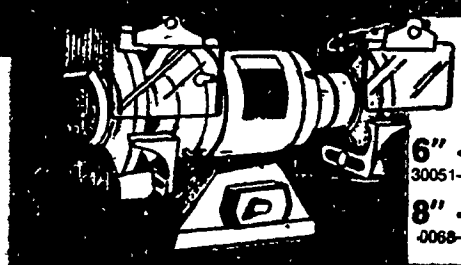


169.99
Reg. 199.99 / SAVE 30.00
Bench Model 30011-423
199.99 Reg. 229.99 Save 30.00
Floor Model 30004-423
13" 16 Speed Drill Press w/Motor
⅝" capacity, 16 speeds (280 to 2800 RPM). All ball bearing spindle and drive.

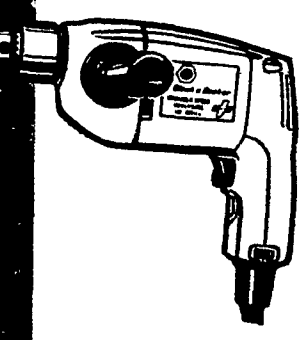


24.99
Reg. 28.99 / SAVE 4.00
11168-097
⅜" Variable Speed Reversing Drill
Model 7127. ⅓ HP (max. motor output). This all purpose drill has the capacity and drilling power of a ⅜" drill with speed and versatility of a ¼" drill. Metal mounted bearings give longer tool life due to cooler running temperatures and maintained bearing alignment. 0 to 2500 rpm.

4.99
Reg. 5.89 / SAVE 15%
18160-115
Rod Guard
Holds up to 10 lbs. of 12" and 14" welding rod. Twist-lock top makes it airtight, resealable and reusable. Cannisters are made from high-strength, impact-resistant polyethelene plastic. A pressure-sensitive sticker that can be used to identify the proper rod size is included with each cannister.



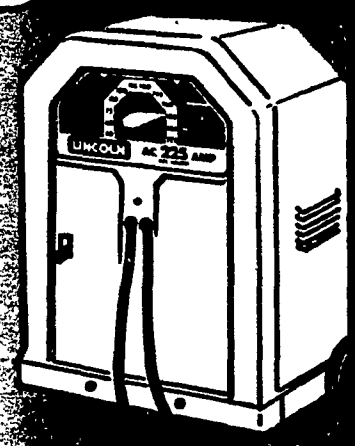
Ball Bearing Bench Type Grinders
6" - ½ Hp. 30051-423 Reg. 64.99 **54.99**
8" - ¾ Hp. 30068-423 Reg. 99.99 **84.99**

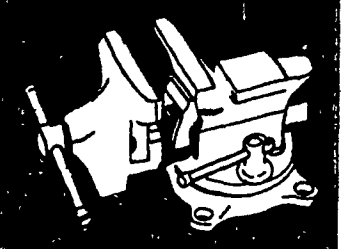


51.99
Reg. 59.99 / SAVE 8.00
11165-097
½" Variable Speed Reversing Drill
Model 7254. .40 H.P. with infinite speed lock, Trigger can be locked at correct speed for each job. Double insulated. 6 ft. detachable cord Reversing action good for removing jammed drill bits. Good for drilling ceramics, masonry, metals and for screwdriving.

16.99
Reg. 26.99 / SAVE 10.00
13648-022
25 Pc. ½" Dr. SAE Socket Set
Set Includes: 18 sockets ⅜" to 1¼". Speed handle, 5" to 10" extensions, 10" Heavy Duty Ratchet, Sliding "T" handle, and steel box.

YOUR CHOICE
13.49
Reg. 14.49 / SAVE 1.00
10905-094
Vise Grip® Set
5" and 10" wrenches, curved jaw model with wirecutters and easy release.
Vise Grip® Set
Reg. 15.49 / SAVE 2.00
10921-094
Home and hobby tool set includes 7" curved jaw locking plier and 6" long nose locking plier, both with built-in wire cutter.





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18040-115
Lincoln 225 Amp Arc Welder
Includes ground clamp. Insulated electrode holder, 15' electrode cable, 10' ground cable, 6' input cable with plug, female receptacle and helmet. Uses 220 volt, 60 cycle power source. Wheels not included. *Regular prices may vary locally.*
Welding Glove ..... NOW 4.99
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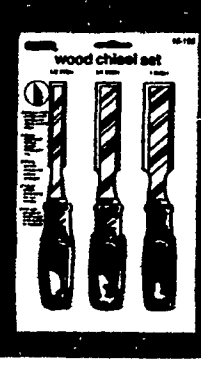

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Reg. 7.69 / SAVE 1.50
89325-332
3 Pc. Thrifty™ Chisel Set
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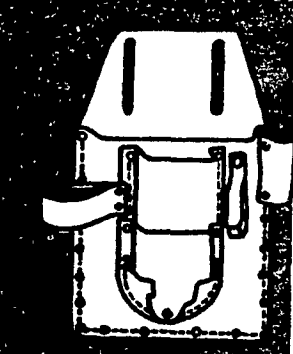

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Reg. 7.99 / SAVE 1.50
89416-332
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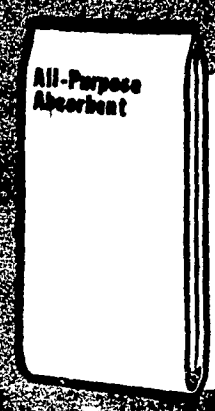

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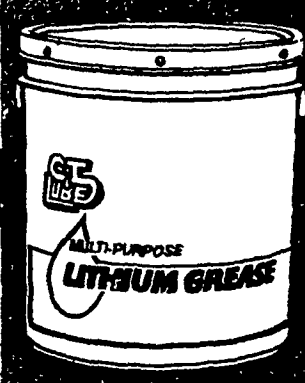

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Prices do not include F.E.T.

All Weather Truck Tires

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Size	Rating	Stock No.	F.E.T.	Reg. Price	Sale Price
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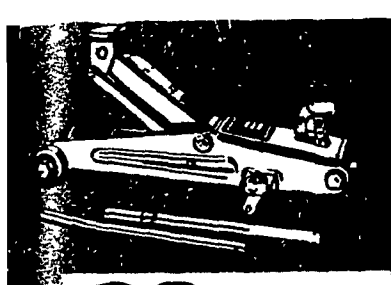

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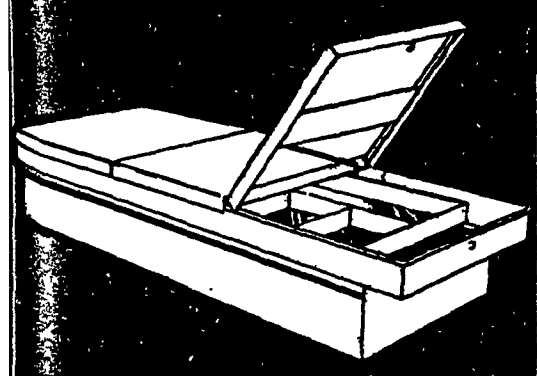

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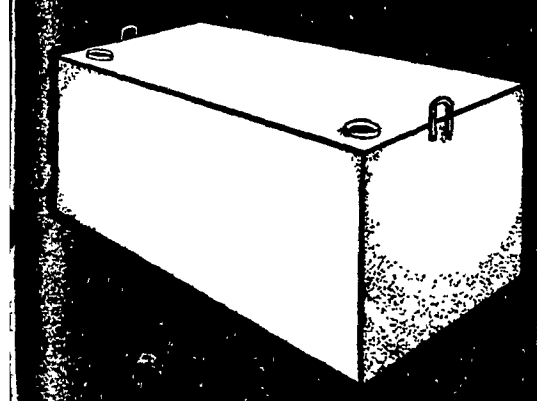
'82-83 Ford Ranger ... 25537-314



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CARNATION FEED CARNATION FEED CARNATION FEED

Visit to the Southeastern Research Farm

This is ag progress - Lancaster Co. style

BY SALLY BAIR
Staff Correspondent

LANDISVILLE — Like most farmers in this part of the state, John Yocum is worried about the effects of the prolonged dry spell on his crops. His worry is not that he won't be able to feed his animals; indeed, he has no animals. His worry is about the data which will not be available because of ruined crops.

Yocum is a senior research associate at Penn State and is manager of the Southeastern Field Research Laboratory at Landisville, a 112-acre farm devoted to studying crops grown in this area. The loss of crops means a loss of data, which in turn means a delay in conclusive results of research being conducted there.

When asked if the dry spell means disaster for the crops there, Yocum, like the true scientist he is, said, "We hope we can learn something out of the test plots. We will see which hybrids are the most heat resistant."

Like the research farm at Rock Springs which will host Ag Progress Days this week, the farm at Landisville is there to get results to benefit local farmers. John said, "The real reason for the station here is that there is a different climate here, a hotter climate in southeastern Pennsylvania. It is more humid and that means more disease and more insects as well as pressure from different insects."

The station actually began with a tobacco research site in Ephrata, which was established to concentrate the tobacco work at one location. Eventually that field lab was moved to one at Roseville Road, then to one in Landisville and in 1954 it moved to its present location just outside Landisville.

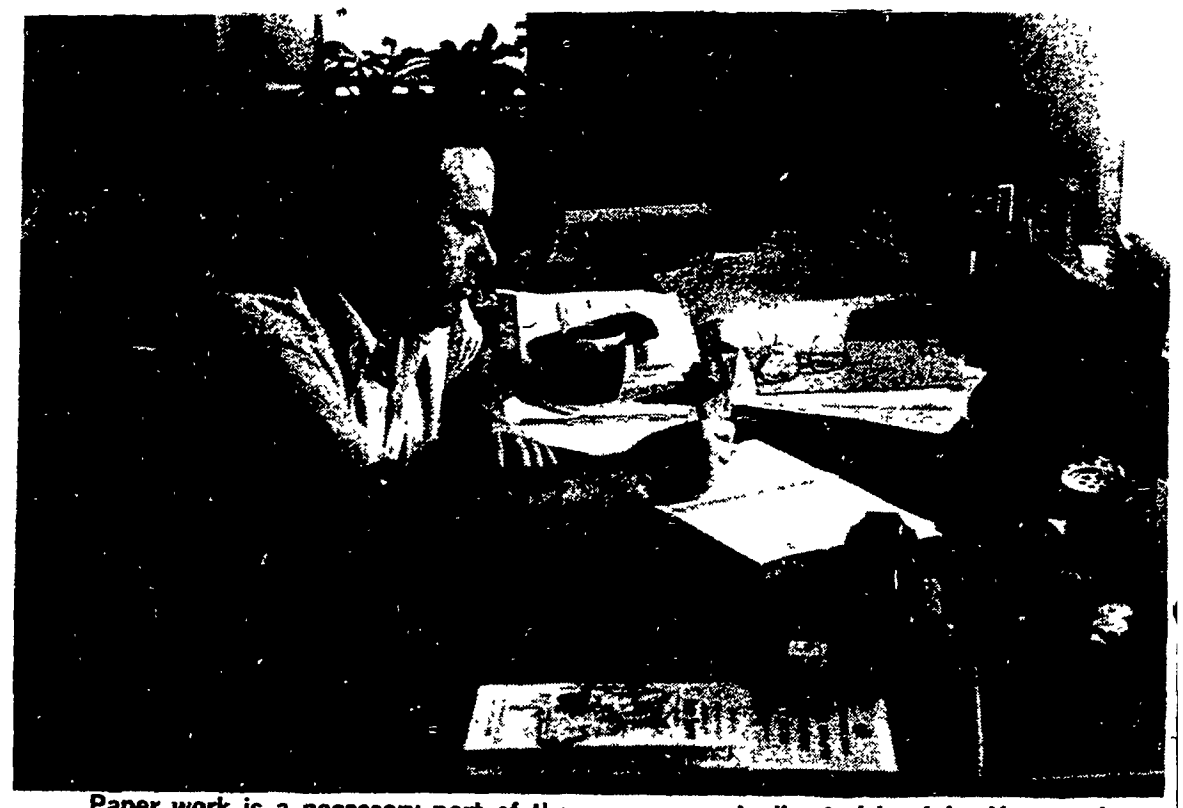
The Hagerstown silt loam soil is much like the fertile, productive land found throughout Lancaster County, but Yocum says the research farm does have outcroppings.

This year, 12 crops are being raised there, but the kind and numbers vary according to the need. Yocum says, "We are fairly fortunate because we have the space so that most people who want to put experiments in are able to."

The actual requests come from researchers at Penn State and Yocum estimates that he works with 23 different staff members throughout the research. He added, "Some do the whole thing. Some do a little bit of the note taking."

It is Yocum who supervises preparation of the fields for all the projects, and then he plants, takes notes and harvests according to the wishes of the researchers. To assist him there are two full time employees and five parttime employees, and his wife Sandy works as a parttime secretary.

Yocum decides where the plots will be located, often drawing up plot plans in the middle of winter. He also does all the staking for the researchers so they know exactly where things are. He noted, "When we put plots out we do it by random number and then through statistics we take as much of the field variation and weather out of the results."



Paper work is a necessary part of the crop research directed by John Yocum at Southeast Research Farm at Landisville.

In addition to Rock Springs and the University Experiment Station, there are three other research farms. One in Erie, which, naturally does a lot of grape research; one in Ligonier, which does primarily forage research; and one in Biglerville which researches tree fruit. Since they each have a wide variety of crops, some of the research is duplicated.

Tobacco is one crop that is grown only at Landisville. Yocum states, "I have all of it." It remains an important, ongoing research subject, but acreage has steadily declined over the years from 31,000 when Yocum started, to 13,000 now. With 90 percent of that grown in Lancaster County it is natural that research is carried on here.

Yocum says they continually try new varieties and study the effects of insects, weed control, fertilizer as well as watching for disease and looking at its curing ability. The results are evaluated by Yocum and he says the biggest improvement in tobacco has been the introduction of new varieties which are higher in yield and more disease resistant. One good effect of the dry spell is that it effectively stopped the spread of blue mold, a persistent disease which is found in tobacco.

About ten years ago the farm began researching wine grapes to test their suitability to this region. They have since switched almost entirely to table grapes. John says simply, "We had as much data as we needed about the best varieties and how to care for them."

Once studies were done on sugar beets, but they were discontinued when no market for the crop was forthcoming. Rope fiber crops were also studied, but Yocum says they found they couldn't produce enough tonnage to be economically feasible.

Soybean research has become more important reflecting the change in the amount of soybeans grown. Yocum states that in 1965 there were 16,000 acres planted, and now there are 120,000 to 140,000 acres.

Other crops grown there include wheat, barley, oats, alfalfa, red clover, potatoes, tomatoes, peppers, and corn.

Corn is a major research topic, again because it is such a major crop in the area. Yocum maintains a corn nursery where the actual breeding and cross pollination is done. This is the one part of the farm which is irrigated.

"Corn hybrids change very rapidly so we recommend that farmers should keep our research reports and look at them over a period of years to see which do consistently well." Yocum says.

He pointed out that all research takes a minimum of three years, during which time you expect to get one year too dry, one too wet and one average. However, sometimes the tests continue for four, five or six years.

When asked if commercial companies ever question the results of their research, Yocum says, "Most agricultural companies are really reputable, and if

(Turn to Page E4)

Research plots on Penn State farm near Landisville include trials on a dozen or more different crops.

Tobacco is the original research crop in Lancaster County and remains important today even though acreage has steadily declined.

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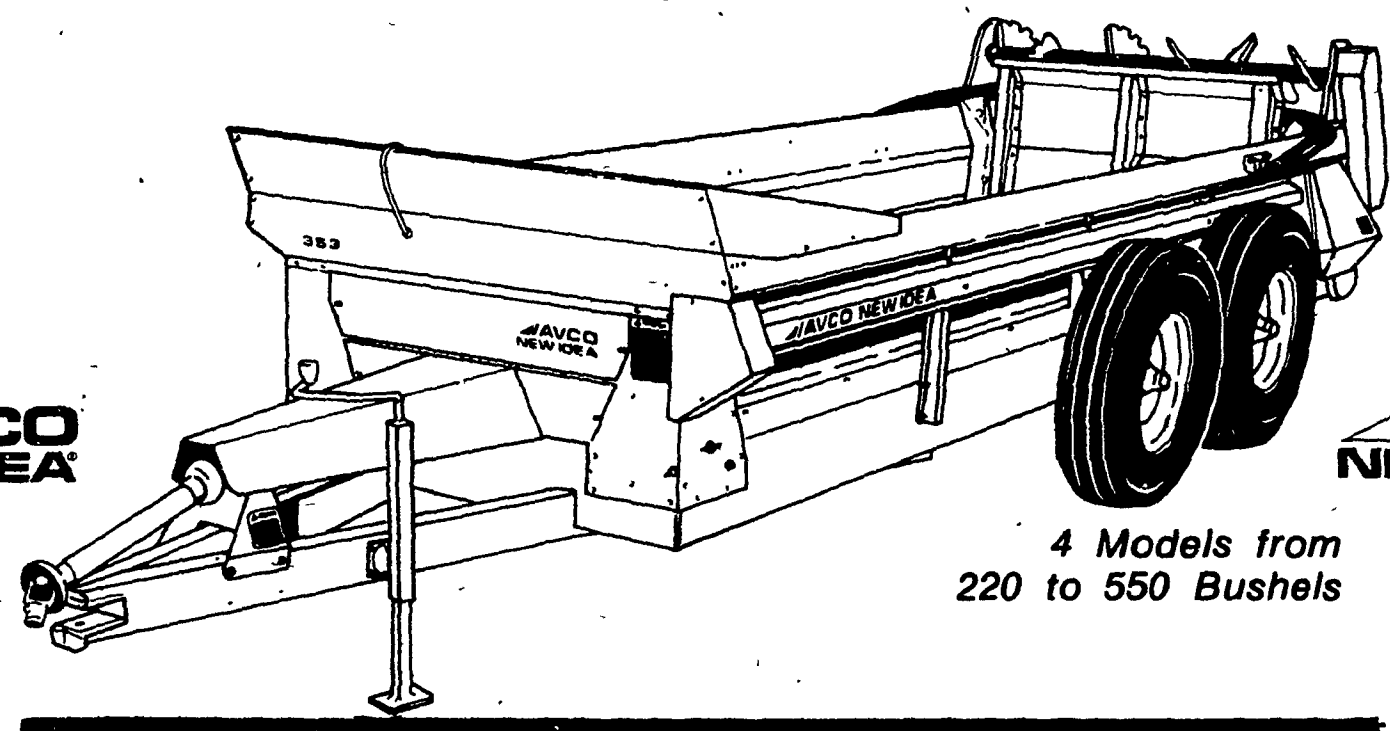

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Lancaster ag progress

(Continued from Page E2)

they question our results we set up a series of tests and may run the project a few more years."

Cropping patterns have changed dramatically over the years, and the research farm has changed with it. "Corn acreage has increased tremendously, and the animal population has expanded. Whereas formerly most farms had a four year crop rotation, now farmers have learned that they can do things to improve the soil without changing the crops," Yocum states.

Of course the real reason for the farm is to get better information to farmers. How does that happen? According to Yocum the information goes primarily through the Extension Service. Yocum often helps write publications which explain the results of their tests. He also speaks at public meetings when invited, but he says, "Generally it is the most progressive farmers who attend the meetings. If we could change that we could get the information to those who need it more."

The most frustrating part of the system is the delay in getting new information out. "They want it faster than we can get it. That is the biggest drawback. We'd love to get it out earlier," Yocum said. But all the researchers, himself included, have other duties that help keep their time filled.

Yocum foresees a continuation of what they are presently doing. "As long as livestock continues to be so important, the bulk of our work will be field crops. That's where we'll put the major emphasis." He says the only change that would be made would be increasing the number of vegetable crops if irrigation were used.

Research money is often a topic for debate when it is appropriation time. "We never have enough money," Yocum states, "But we haven't been hurt as bad as some universities. Several years ago we started a planned reduction, so we were ready."

He adds, "In the last ten years our money has not been increased to keep up with inflation, so it has been a net decrease in research money. We must do a lot more with a lot less. We can do it for a while. To develop new varieties takes 10 years. You can't turn research on and off."

In addition to the crop work at Landisville, the research farm is also a cooperative weather station with the United States Weather Bureau. Equipment records high and low temperatures daily as well as the humidity, rainfall, evaporation, and solar radiation. It even records hourly rainfall, something it hasn't been called upon to do much of this summer.

Conservation is also an important part of the overall picture because as Yocum notes, "If we had a gully washer, it could louse up our whole experiment."

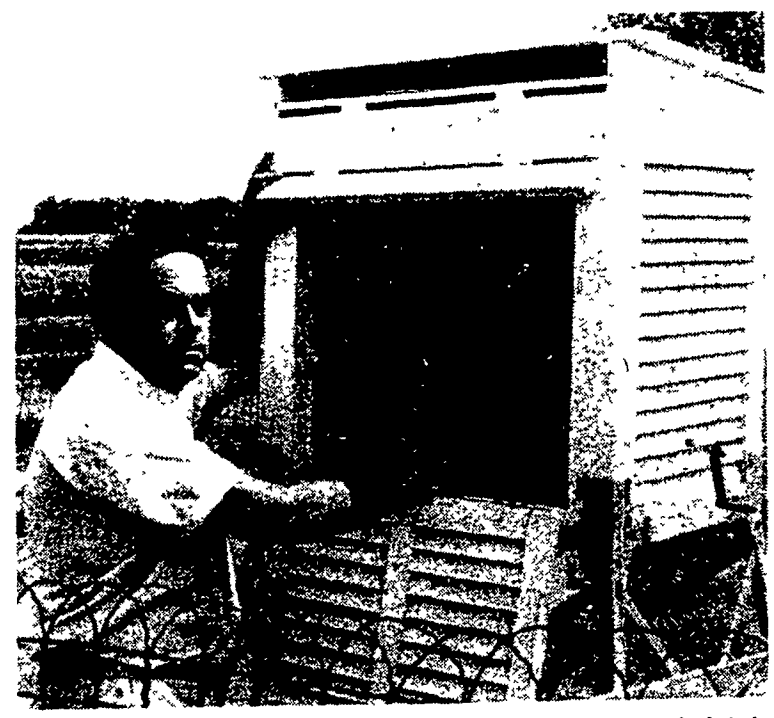
It was a Soil Conservation Service employee who influenced John in his career choice while he was growing up on a general farm in Columbia County. However, once at Penn State, he found he liked crops better than soils, and he got both his bachelor's and master's degrees in agronomy.

The job seems ideal for someone who grew up on a farm, and Yocum shows that he does enjoy it. Each day is different and he enjoys that variety, plus he gets many visitors and he likes working with the many people who come there.

But most importantly is that the work he is supervising there is benefitting farmers. Yocum says, "What is important about our work is that we're improving efficiency. The only thing that has kept farmers in business is efficiency, high production and keeping unit costs down."

Yocum is estimating that even with rains crop losses in this area will amount to fifty percent. He, of course, had to cancel his planned annual open house, something he hasn't done since he started working there in 1957. He said the only similar dry period occurred in the sixties.

The dry weather added another dimension to the research that continues at the Penn State facility at Landisville. And while the publicity next week goes to Rock Springs, it is the local farm which will continue to provide pertinent information to the farmers in southeastern Pennsylvania.



Even though rain gauge hasn't been used much lately, weather station is important part of Southeast Research Farm.

Shoreline session Friday

NEWARK, Del. — Owners of coastal and waterfront property are invited to attend a workshop on protecting the structures and shorelines of coastal Delaware. It will take place Friday, at the Lord Baltimore Elementary School in Ocean View, Md., from 9 a.m. until 3 p.m.

Sponsored by the Delaware Association of Conservation Districts and the Department of Natural Resources and Environmental Control, this free program is designed to help owners of coastal and waterfront property with the special problems that affect them.

A session on living in a flood plain will include information on flood insurance and construction methods for flood-prone environments. Following that, a second morning session will highlight the realities of coastal erosion, and engineering practices used to protect oceanfront property.

The afternoon session will feature low-cost methods of protecting inland bay shorelines from erosion.

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Solar pond can help dry grain

ARGONNE, IL — An experimental solar pond project at the Department of Energy's Agronne National Laboratory has received $75,000 from the Illinois Energy Resources Commission. The money will fund the study of ways to remove useful heat from the pond.

The pond's peak temperature is hot enough for grain drying, heating animal shelters, space heating and domestic hot water, said William Schertz, manager of Argonne's solar energy programs. Grain drying is a particularly appropriate use, he said, because the pond reaches its peak temperature in September, just before the grain-drying season.

Equipment to extract heat from the pond is not fully developed, he said, but the funds from the State of Illinois will help in that work.

"Solar ponds can potentially help Illinois meet its energy needs by supplying power to agricultural, industrial and commercial applications," said Michael B. Witte, director of the Department of Energy and Natural Resources.

Peak water temperature in summer 1982 was 170 F, up from a peak of 152 F in summer 1981. The winter 1983 low was 100 F, considerably higher than the winter 1982 low of 85 F.

Pond temperatures in 1982 and '83 were higher than in 1981, the pond's first year of operation, Schertz said, because the pond has slowly warmed the earth around it.

The pond can produce useful heat day and night, all year round, he said, even when covered with winter ice. When the pond is cooler than the warm earth around it, heat will flow into the pond from the earth.

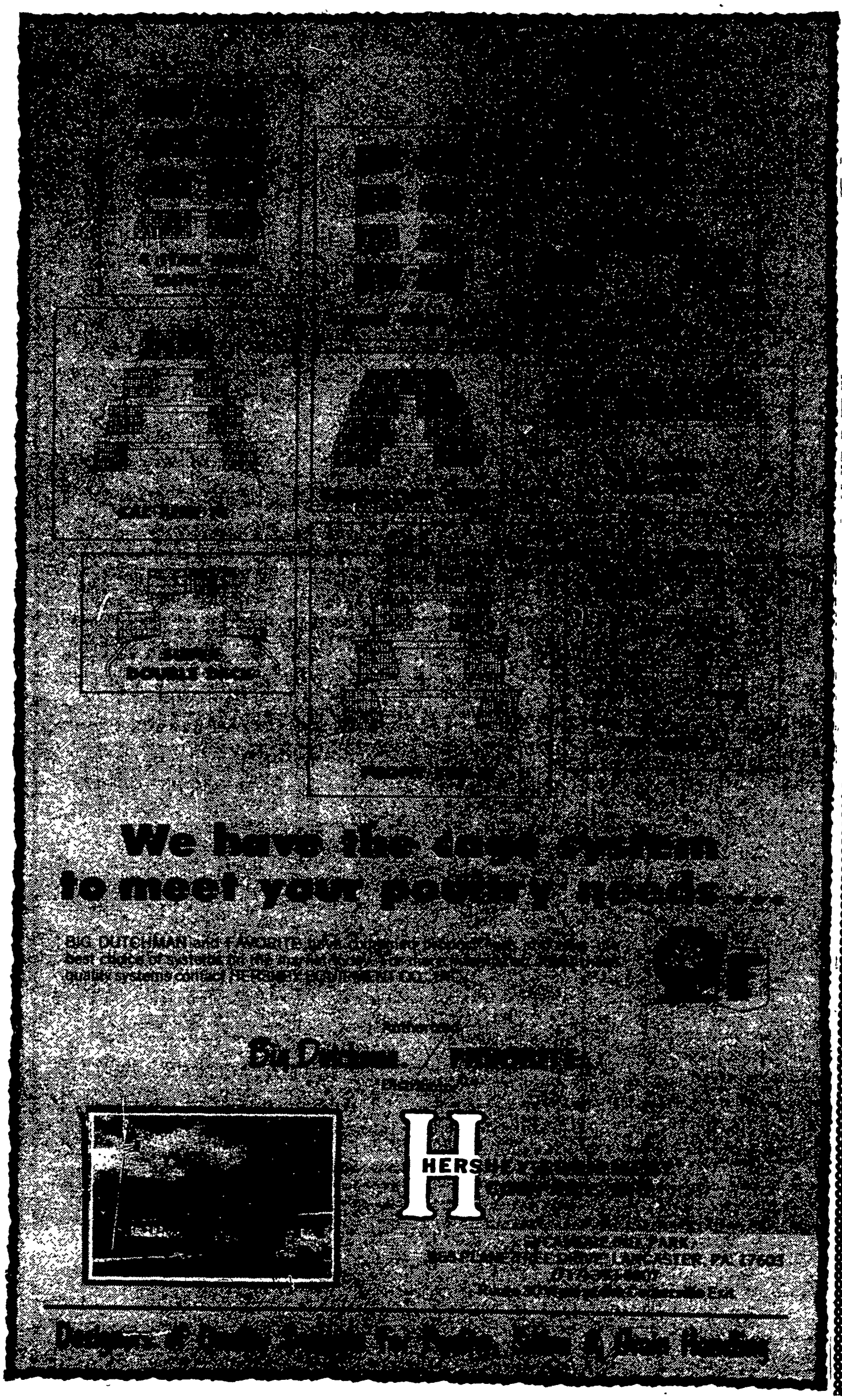
Salt water is the key to the pond's ability to collect and store solar energy. Salt concentration increases with depth, forming layers that suppress convection currents within the pond.

Sunlight penetrates the surface, warming the lower layers. Because the lower layers are heavier than those above them, they cannot rise, and their heat remains trapped.

The Argonne Research Salt Gradient Solar Pond Project is operated by scientists in Argonne's Components Technology Division. They are studying the pond to develop mathematical models that explain and predict its behavior and to determine the most effective ways of removing and using the stored heat. This research will help develop improved designs for future commercial salt-gradient ponds.

The quarter-acre pond is about 12 feet deep. It holds 700,000 gallons of water and about 700 tons of salt, donated by the Morton Salt Co.

Argonne National Laboratory is operated by The University of Chicago for the Department of Energy.



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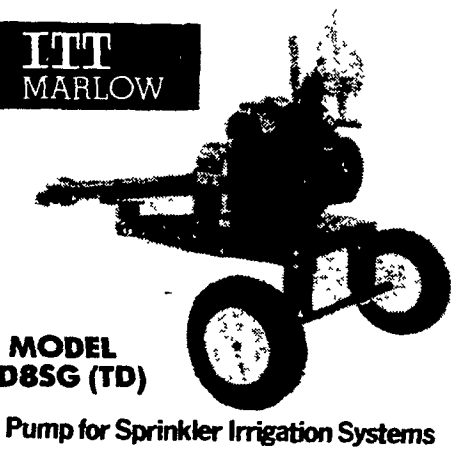
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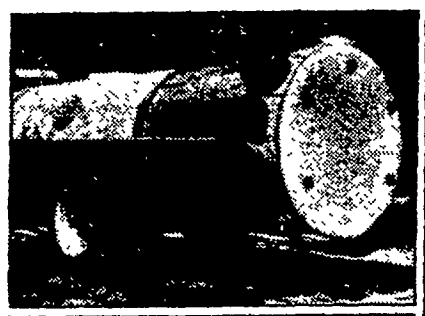

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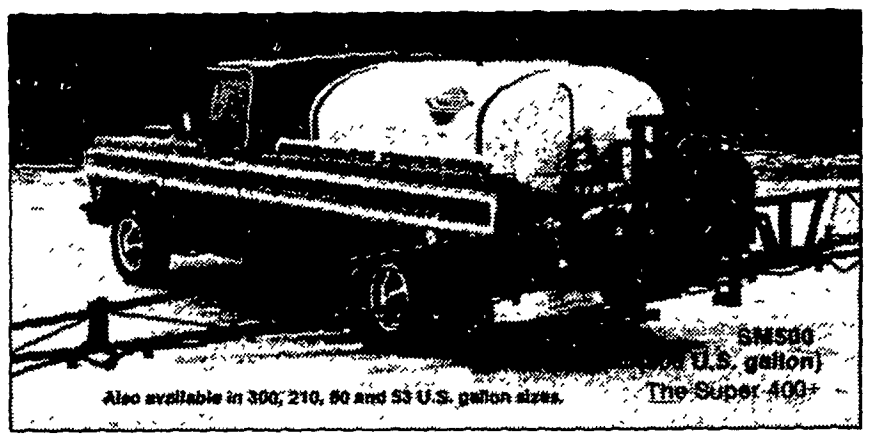

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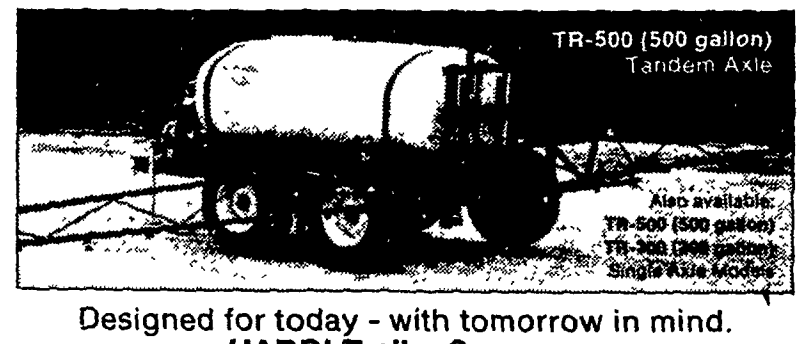

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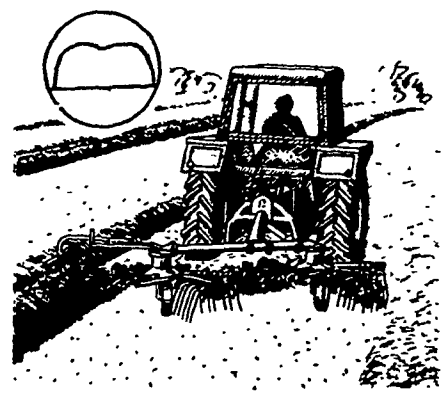

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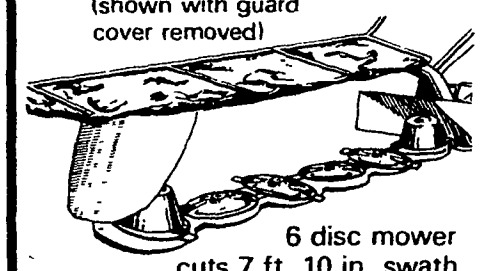

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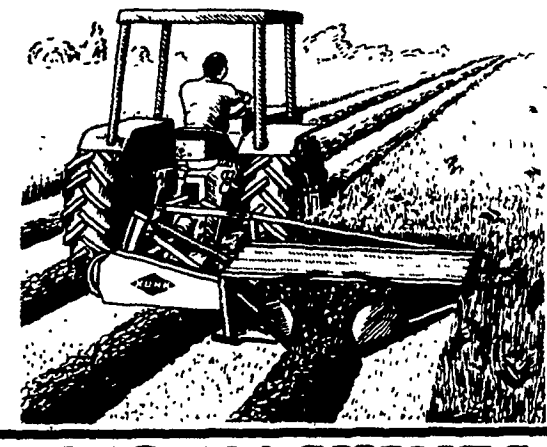
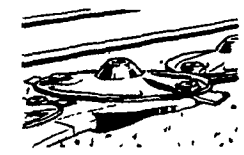
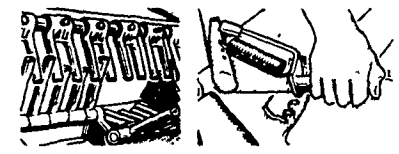




The well proven KUHN disc mower with oval discs ensures high speed cutting without plugging.



A variable setting conditioning comb, unique to KUHN, can be set to give various degrees of conditioning. Free swinging fingers pick up the crop and pass it through the comb, ensuring a fast drying rate by maximum wax removal as well as lightly bending and cracking of the stems.

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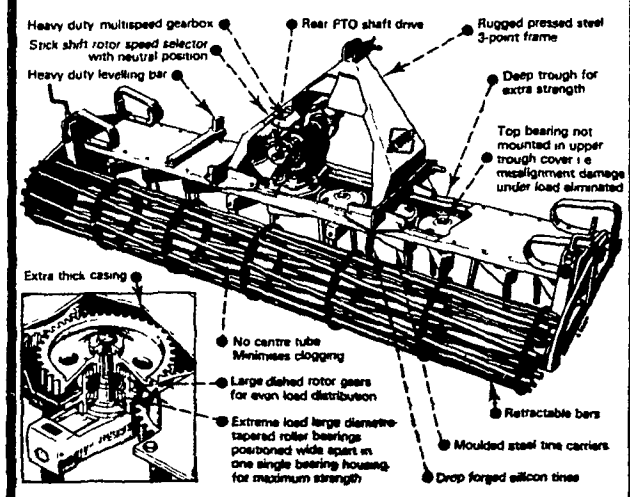
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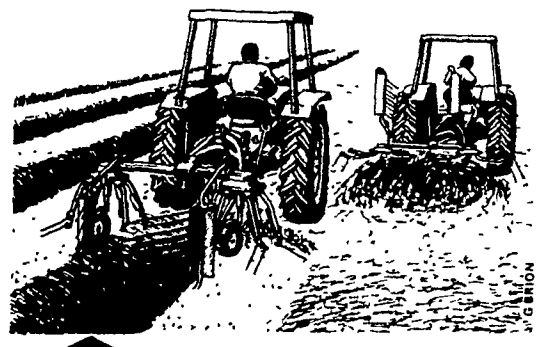

KUHN GRS 21 GYROSTAR

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Set tines in vertical position to pick up and bend stems (to condition) and spread in a wide fluffy swath for faster drying. Also spreads rained-on windrows to speed drying.

Covers 10 ft. width. Operates at 5 to 7 m.p.h.
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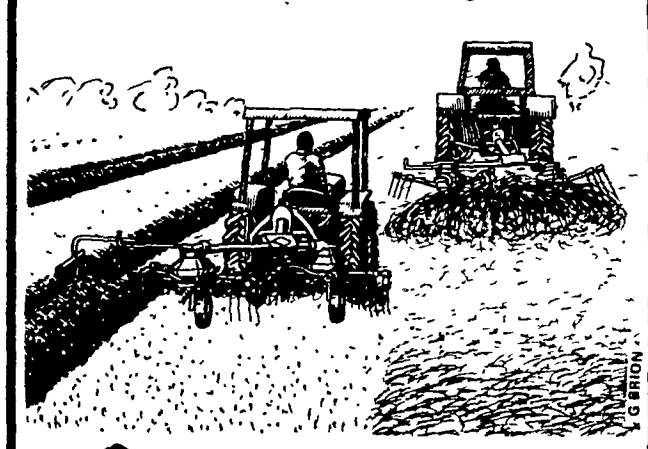

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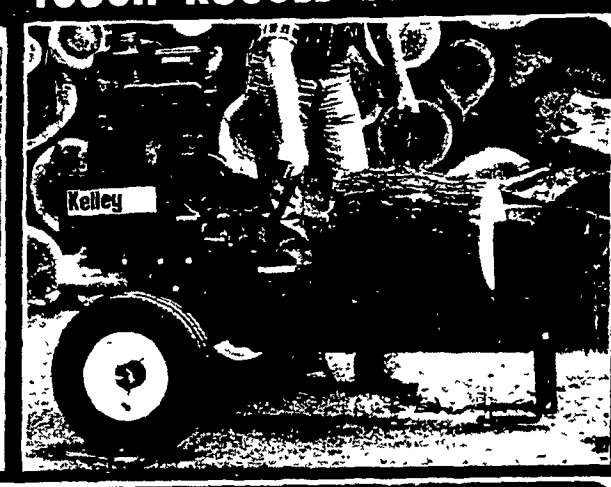

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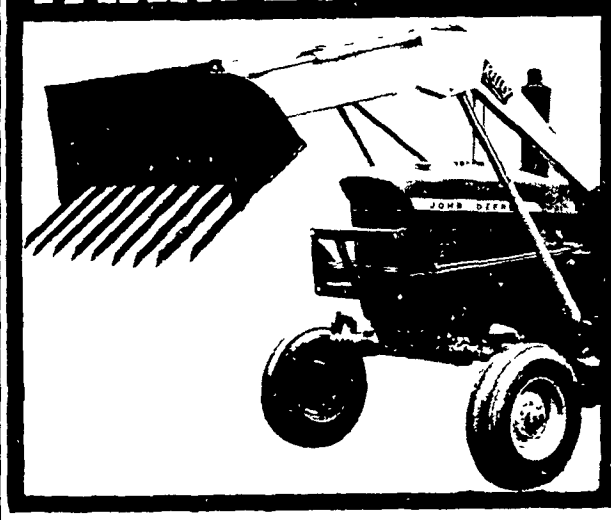

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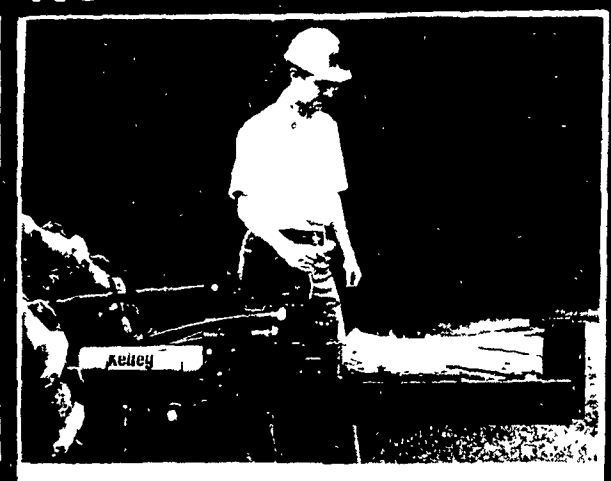

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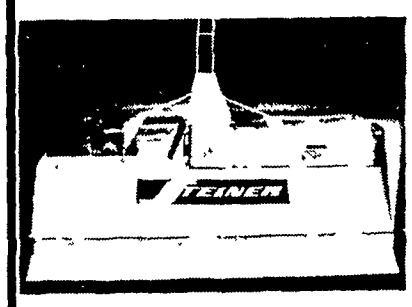

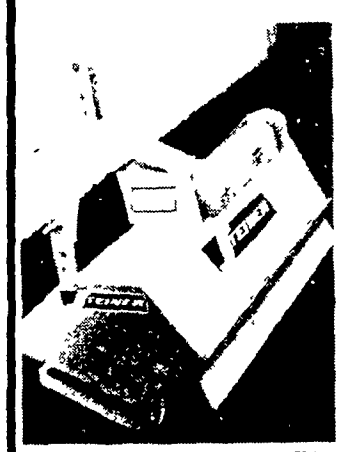

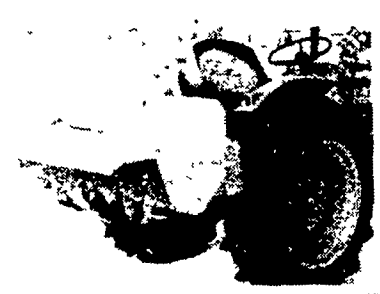

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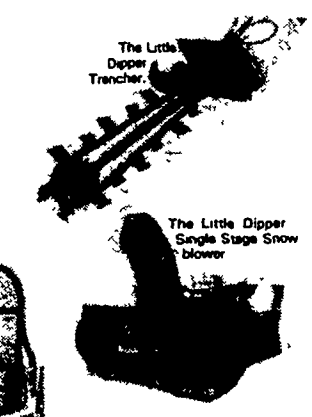
The Little Dipper with Grapple Fork



The Little Dipper Trencher.

The Little Dipper Single Stage Snow blower

A soil preparation machine the Little Dipper with a Rototiller

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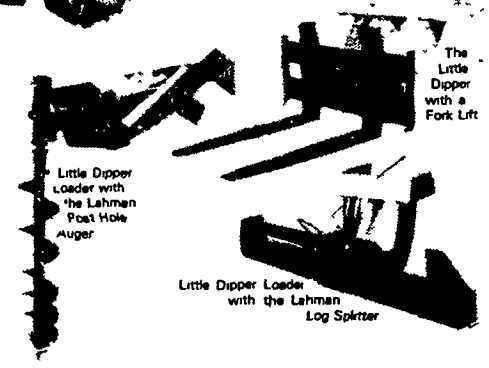

The Little Dipper with a Fork Lift

Little Dipper Loader with the Lahman Post Hole Auger

Little Dipper Loader with the Lahman Log Splitter

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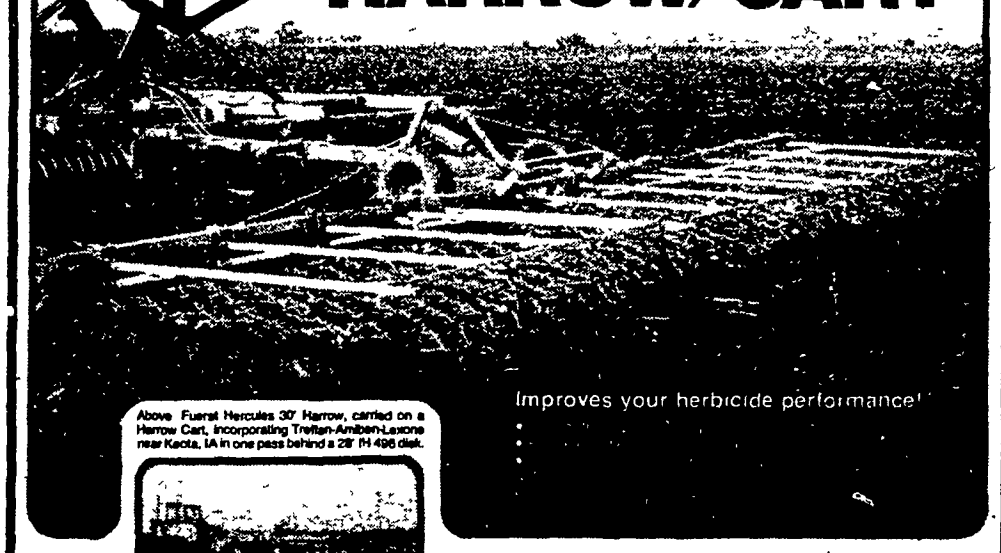
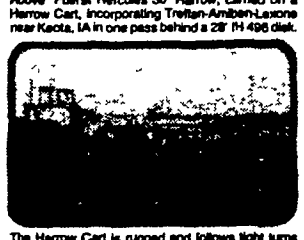
THE FUERST F-L-E-X-I-B-L-E TINE HARROW®/CART



Above Fuerst Hercules 30' Harrow, carried on a Harrow Cart, incorporating Treflan-Amiben-Lexone near Keota, IA in one pass behind a 28' IH 496 disk.



The Harrow Cart is rugged and follows tight turns behind a disk or cultivator, wiping out wheel tracks as it goes.

The folding wings make transportation of the harrow from field to field a simple manner, without restricting the harrows effectiveness in the field. Can be transported directly behind disk or cultivator.

You don't need expensive implements to incorporate herbicides!

Work done by several chemical companies and universities demonstrates how effective the Fuerst Flexible Tine Harrow is behind cultivators or disks. In essence, farmers are getting two incorporations in one pass with the bonus of outstanding leveling and an excellent seedbed.

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The leader for more than 25 years

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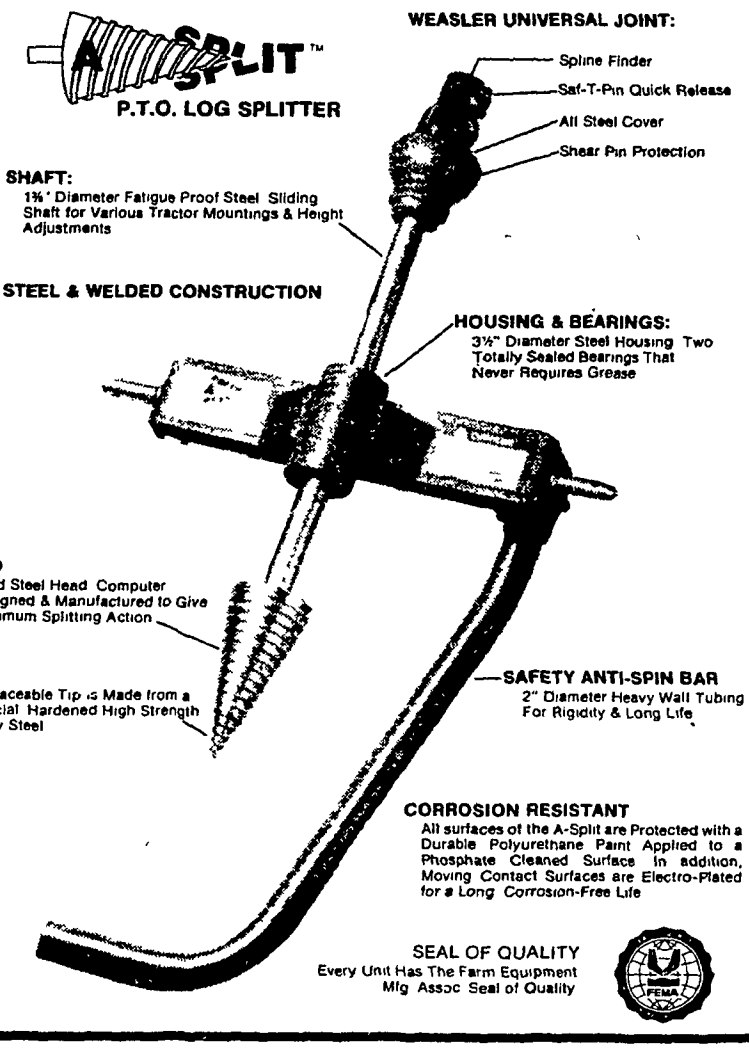
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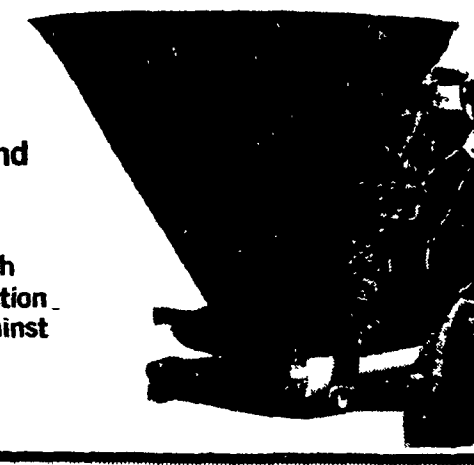

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Danish visitor views General daughters

Lancaster bull claims international attention

BY ROBIN PHILLIPS
Staff Correspondent

PEACH BOTTOM — In view of the current unstable milk pricing situation, and the overabundance of milk and its products, it is no secret that Jersey cattle are becoming more popular as the nation's farmers attempt to deal with the surplus while still maintaining their milk check. As Jerseys become more popular, so do the sires that sire the higher test, the higher protein, the well bodied, economical individual that *can compete in today's dairy.*

Of the 1000 plus Jerseys bulls with a proof on the most recent *official sire summary* list there is one bull that is drawing increasing attention to his daughters and his birthplace, where visitors can view the oldest progeny still hard at work, paying their way.

Hailing from Lancaster County, "Milknhoney General", is just what his name implies, a leader in the field, siring high producers of thick, rich milk, loaded with above average protein and butterfat. Also a prime example of the well bred stock to be found in Pennsylvania, "General" was bred by George and Doris Hough, R2, Peach Bottom, and raised on the soils of Lancaster County until he was purchased by Tri-State Breeders Cooperative, Wisconsin, at 5 years of age.

This past Wednesday, the Houghs were hosts to Mogens Stendal, Senior Advisor with the Danish Jersey Cattle Society, of the Cattle Husbandry Department in Denmark. Stendal was in the states to view the daughters of a list of bulls that his association had approved as possible sires for semen importing.

"We are not interested in low test", Stendal explained, as he stated that in Denmark, farmers were paid for the protein and butterfat content in their milk. "We get paid for the solids" Stendal said, "not the water or the milk".

Although this was not his first step to the states, Stendal said that this was the first time for a trip of this purpose.

Stating, "You have to do something before you have the problem," Stendal explained that they were aware that the breeding in his country is becoming more narrow.

When an outstanding bull is proven in Denmark, he is used heavily and the genetic base is severly restricted, and the Jersey Association of Denmark wants to import semen from several United States bulls that meet that requirements

"We want to be sure that we avoid inbreeding problems... We also want to improve something, or at least maintain it", Stendal explained.

"Feet and legs, udder quality, and teat placement are some of the most important things in a dairy cow", Stendal continued.

Because they would not import semen from a bull with -.3 to -.4 test, Stendal's list included Hough's bull, Milknhoney General.

Milknhoney General was born in 1974 out of one of the Hough's favorite cows. Up until that time they had not raised many bulls but knew that they would keep this one. "We thought we'd keep him around awhile," Doris says, "We always though we'd keep a bull calf out of her." "General's dam, Milknhoney Secret Linda Ann, is a VG-85 daughter of H.L. Torono Secret Orator with her highest record of 365 days 17,970 milk and 807 fat and no record under 12,000 pounds of milk. "I still think that "Linda" was the best cow that we ever owned," Doris says, "She could come back from anything".

Milknhoney General was a twin. His brother died as a result of a freak accident at about 9 months old. Although the Hough's seemed to realize all the time that "General" was going to be a top-notch sire, no special care was taken and he was raised with the rest of their stock. But, Doris is an excellent "calf raiser" and her calves are widely known in Jersey circles to be big and well grown.

"When it comes to feeding, Doris always wants to give them more," George states.

Calves are raised on 2 quarts of whole milk twice a day for three months. Instead of using calf starter, regular cow feed is used and Doris sprinkles on a bit of dry milk powder to give them extra calcium. She also feeds them extra vitamins and minerals in their milk up to that time.

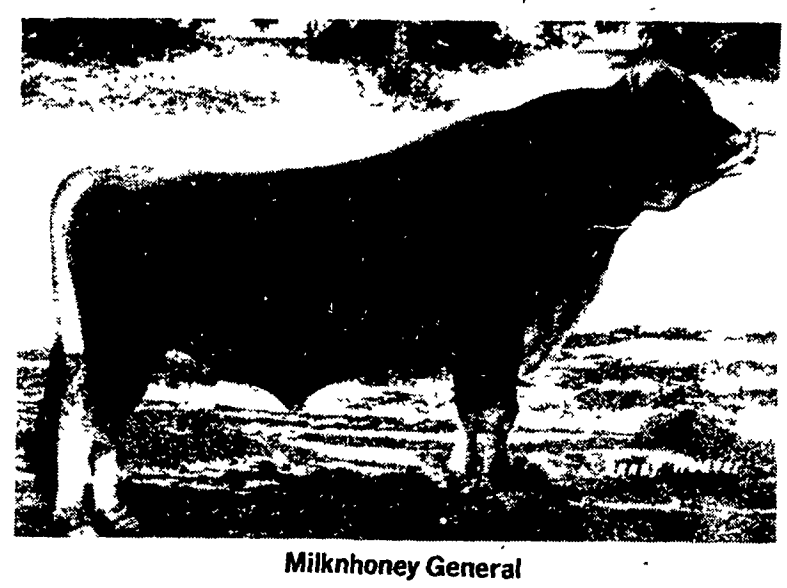
When "General" reached breeding age, his semen was collected and the Houghs gave some to several friends to use. From that semen, William Arrowsmith, R1, Peach Bottom, has an Excellent-90 daughter with 4-03 years, 305 days 15,146 pounds milk, 5.5% test, and 829 pounds butterfat, 3.8% protein and 572 pounds protein. This cow, "Mickey" never tested below 5.3% and stands at the top of the Arrowsmith herd. At R3, Hamburg, Robert and Helene Dreisbach, who also received some of that first semen, have a very good — 88 point daughter with 5-02 years, 305 days, 18,120 pounds milk, and 894 pounds of butterfat. Their cow, Wilderness Generals Collette, is currently undergoing embryo transfer flushings and also has a son, Wilderness *Gentlemen* C, at Noba, Inc.

The Dreisbachs have been big

(Turn to Page E11)

Doris and George Hough, who are observing their 35th wedding anniversary this week, reflect back on farm life.

With Milknhoney barn sign as background, Doris Hough and Mogens Stendal look through herd.



Milknhoney General

After viewing each General daughter, Mogens Stendal evaluates them in notebook to take information back to his directors.

Hillacres General Mickey, owned by William Arrowsmith, R1 Peach Bottom, is only excellent daughter with 5.5 percent tests and 15,000 lbs. of milk.

Lancaster bull

(Continued from Page E10)

fans of Milknhoney General ever since his first proof. Although Helene Dreisbach admits "you shouldn't put so much on a bull when you only have one daughter,...but I looked at Arrowsmith's (daughters) and Doris's (daugthers), and they're such an improvement over their dams."

The Dreisbach's have used Milknhoney General when superovulating some of the top cows in their herd. Because of this, there is a "General" son in California at Jersey Genetics, Wilderness Magnum-ET, and a "General" son at Sire Power, Wilderness Derringer-ET, and also a "General" son, Wilderness Winchester-ET, being used locally by several Jersey breeders.

"You sure knew that they hadn't rigged the proof," Helene Dreisbach states enthusiastically as she and Doris explains that "General" was run with heifers after he was collected, that were so poor they were shipped after their first record. Also, checking back on the records of the dams of the current Milknhoney General daughters, it was discovered that most of those dams have since been shipped.

(Turn to Page E12)

Rear udder of the Excellent-90 General daughter, Mickey, on the William Arrowsmith farm, shows influence of sire.

George and Doris Hough, of Peach Bottom, flank Mogens Stendal, of Denmark, who has made long trip to view daughters of Milknhoney General.

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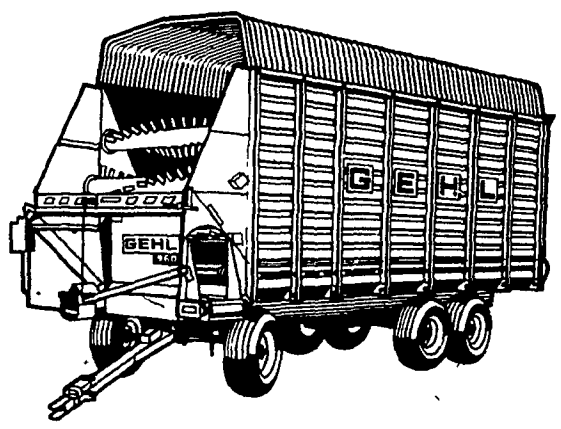

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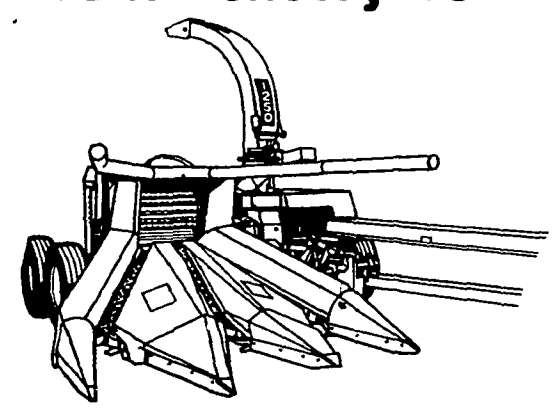

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SEE US AT AG PROGRESS DAYS

Lancaster bull

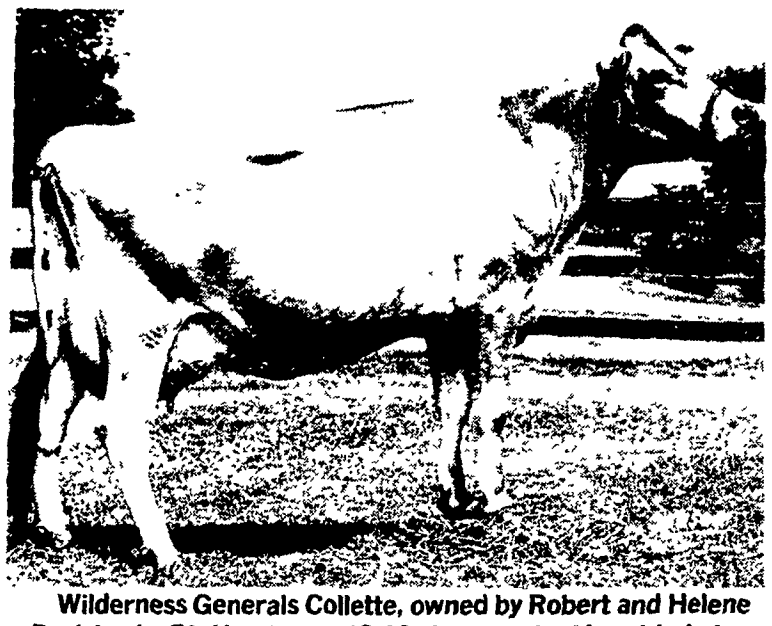
(Continued from Page E11)

The first proof of Milknhoney General came out in June of 1979. With a repeatability of 22%, he was +1260 milk, -.18% fat, +46 fat, +133$. His 10 daughters M.E. average of their first records was: 11,942 milk, 4.78% and 549 fat. His most recent proof of July, 1983 is: repeatability of 50%, he was +1490 milk, -.14% +61 fat, and +206$. His 37 daughters M.E. average is: 12,025 milk, 4.92% fat, and 592 fat. His type proof includes a final score of +.3 and his daughters are becoming known for their strong ligaments and great body capacity. "You're going to have trouble finding a "General" without a good body," Doris concludes.

There are approximately 115,000 Jerseys in Denmark, about 16% of all the cows in Denmark. They average 10,000 pounds milk, 6.2% butterfat, and 4.1% protein. They are fed alot of different silages and also sugar beets. Mogens Stendal, of the Danish Jersey Society, says that American cows are too big, too heavy all over. Pointing out several Jerseys which he thought to be too big, Stendal said, "for a cow to be this big, she must milk much more to be as economical as the little one."

"I'm not saying that a big cow is a waste of money, but my first impression of the states....whatever breeds your talking about...the bigger, the better," he went on to say. Stendal explained that because every dairyman needs to cut down expenses any way he can, more and more of the young people in his country are starting with Jersey cattle. "A small cow is one of the advantages of a Jersey cow," he explained. His association likes to find the best and then use it as heavily as possible. This is the reason he is in the United States, and plans to find the best sires and import a limited amount of their semen to avoid inbreeding extensively.

Stendal explained that he liked the good udders of the older "General" daughters and said that they seemed to be hard working, functional animals. He also liked the butterfat and protein tests of the daughters and evaluated each one to take his report back to his directors for final approval. There were five other Jersey sires on his list that were approved for possible semen importing and after viewing those daughters, his trip was to continue to the New England area before returning to his country.



Wilderness Generals Collette, owned by Robert and Helene Dreisbach, R3 Hamburg, VG-88, has son in AI and is being super-ovulated.

Hough bull currently awaiting proof is Milknhoney Chocolate Crusader, shown in pen built for the General.

Always excellent hosts, the Hough's treated Stendal to a hearty, home cooked meal, and after chaufferring him around the Lancaster area to see Jerseys, bid him thanks and best wishes for a good trip as their son, Neal, took him back to Baltimore airport for his plane.

The Hough's are proud of their bull and continue to use him on "the ones we didn't know what else to use". One of things in the Jersey breed that bothers Doris, is that they are pushing too many low testing bulls, and she says that it doesn't look good when a record is published with a low test on it.

After attaining a top bull in the breed, what is the Hough family going to do next? They are currently looking forward to the first proof of Milknhoney Chocolate Crusader, a young bull currently housed at the farm and bellowing at his visitors the whole day. Brian Hough states that his daughters are milking well and says, "They look better than their mothers." Who knows? George and Doris Hough are dedicated to their Jerseys. Their sons, Brian and Neal, work on the farm and own a considerable amount of Jerseys themselves. With Doris's knowledge of bloodlines and pedigrees and her family behind her, anything is possible.

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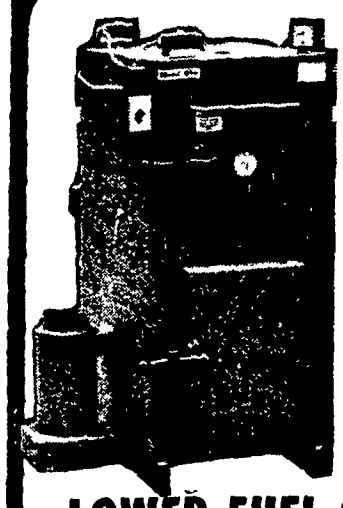

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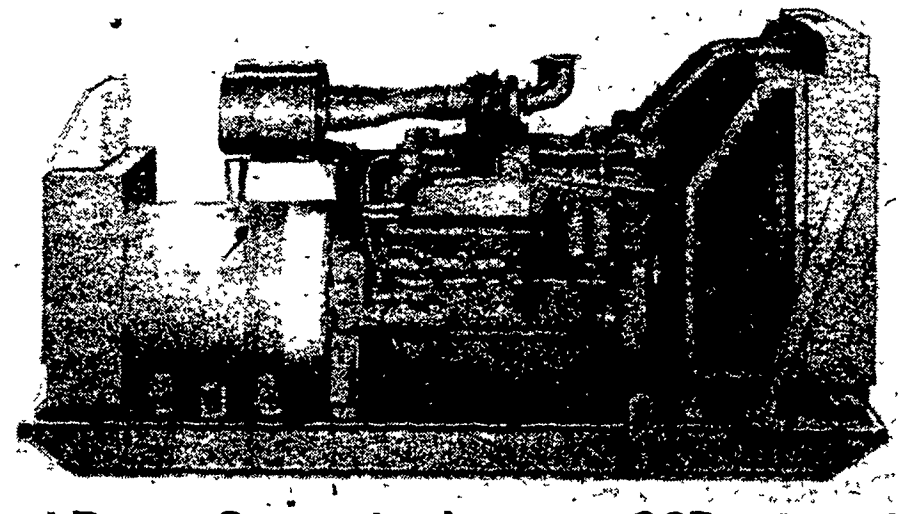

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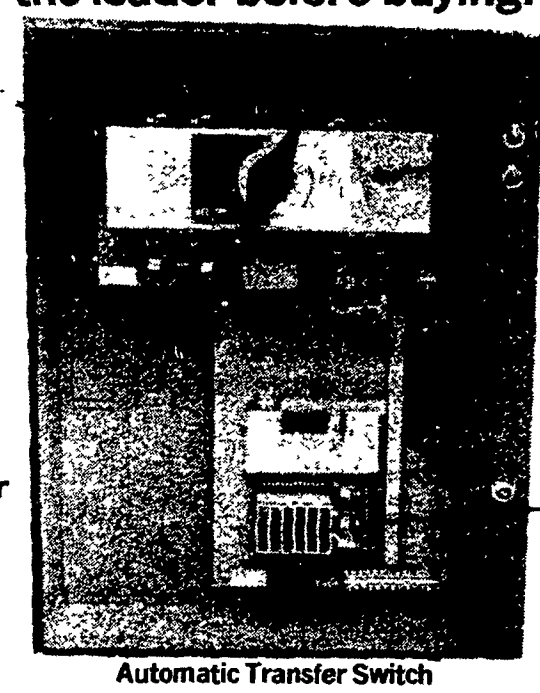

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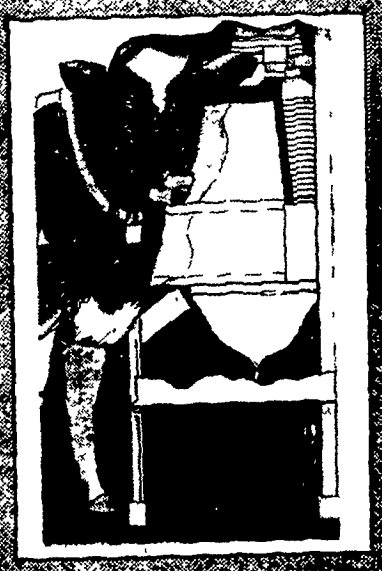

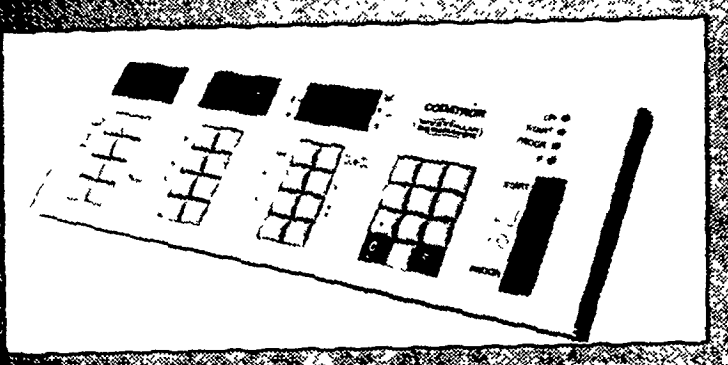

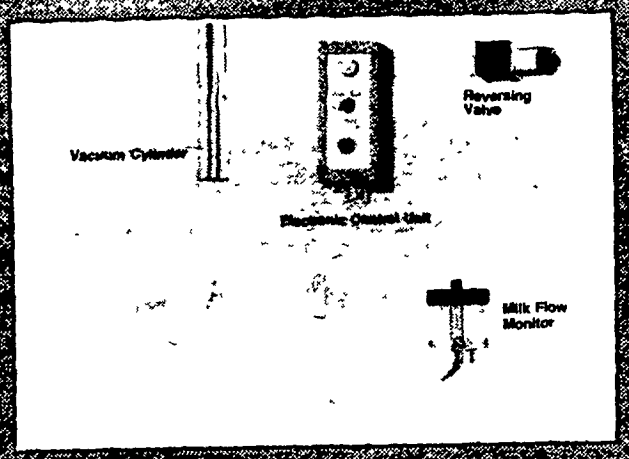

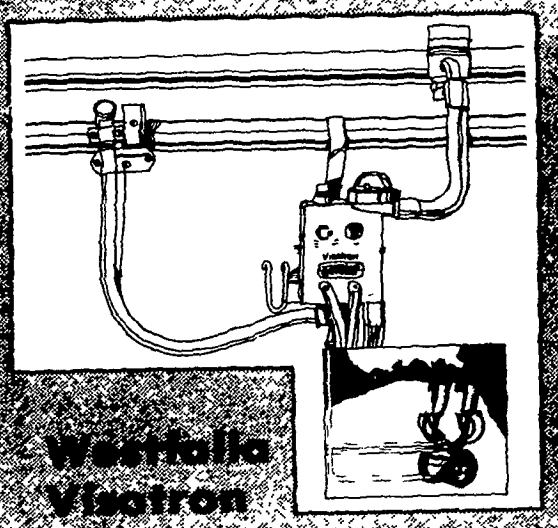

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How to help prevent grain dust explosion

NEWARK, Del. — Mill managers and grain elevator operators are becoming more keenly interested in dust control and fire prevention.

University of Delaware extension safety specialist Ronald Jester points out that since the rash of dust explosions a few years ago, operators are more aware of potential hazards. Dust explosions can cause extensive damage to facilities, and often take lives as well. Farmers with milling and grain storage operations also have cause for concern, he adds.

Since dust, oxygen, and a source of ignition must be present to create an explosion, Jester says prevention involves removing one of these elements. Eliminating either the dust or the source of ignition is the obvious way to reduce the hazard.

Jester suggests the following guidelines for minimizing the chance of a grain dust explosion in your facilities:

* Maintain a good housekeeping program. Prevent dust buildup on equipment, pipes, floors, and around grinders.

* Be sure equipment is really dust-tight. Keep spouts and positive-pressure air ducts in good repair to prevent the escape of dust. Attend immediately to leaks in grinding equipment and fans.

* Dust-control systems will help reduce pressure buildup inside equipment, and keep dust from being forced into the mill.

* Prevent ignition by removing foreign materials from incoming ingredients. Magnets are commonly installed in spouts leading to processing or grinding equipment.

* Lubricate bearings according to manufacturers' recommendations to prevent overheating.

* Align belt drives properly. Misalignment can create friction and build up sufficient heat to generate a fire.

* Check tension on bucket elevators. Inspect periodically to ensure proper operation.

* Enforce the no smoking rule in mill and grain facilities.

* Install dust-tight lights and explosion-proof plug-in receptacles.

* Practice welding safety in the mill. This includes shutting down machinery, cleaning work areas, covering combustible materials with flame-proof tarpaulins, and having a fire extinguisher available.

* Be sure wiring conforms to the National Eletrical Code.

* To reduce buildup of static electricity, make positive metal connections between pieces of equipment and the ground.

In isn't easy to plan, supervise, and conduct fire-prevention programs and practices, says Jester. In fact some managers and employees may have a negative attitude toward fire prevention. They feel that because they've never had an explosion in their plant, they never will.

Nothing could be further from the truth, warns the extension safety specialist. Unless proper precautions are taken, there will be an ever-increasing danger of an explosion or fire.

For information on a new program dealing with grain dust explosions, called "Controlling the Ignition Source," or to schedule a fire safety meeting at your farm or business, contact Ron Jester at the University of Delaware Substation, R.D. 1, Box 48, Georgetown, DE 19947. Or call 856-5250.

Conner elected Eastern vice president

SYRACUSE, N.Y. — Eastern Milk Producers Cooperative last week announced Leo Connor, Sr., of Bridport, VT, has been elected Vice President of the organization following a vacancy in that position caused by the resignation of David Clements, of Frankfort, NY. As a result of a barn fire, Clements was no longer actively engaged in the production of milk, and therefore became ineligible to hold the office.

Connor has been the director of Eastern District #5 since 1978, and a member of the organization since 1965. He moved to the Champlain Valley, Vt. area from Rhode Island, where he had worked for the US Department of Agriculture's Soil Conservation Service. In Vermont he held the office of Assistant Commissioner of Agriculture for two years. He has been active in political life as well, having been a candidate for Lieutenant Governor of Vermont in 1970. Leo Connor, Sr., and wife Barbara, have five daughters and seven sons, many of whom also are dairy farmers in Addison County.

Korona also said Noah Prior, of Evans Mills, N.Y., was elected to the executive committee of Eastern. This vacancy also was caused by Clements' resignation.

Prior, with wife Shirley, operates a dairy farm in Jefferson County, N.Y. They have been members of Eastern since 1970, and Mr. Prior is a past Assistant Secretary of the association, as well as Chairman of the Public Relations and Insurance Committee. Commenting on his selection for the Executive Committee, Korona said, "Noah Prior is an experienced director who will be a real asset to the cooperative in this position."

The local organization of District #4, which Clements had headed, are now holding a series of meetings to select a director to fill the unexpired term of District Director. The dairy farmer selected will serve approximately one year, until another election will be held in accordance with the bylaws.

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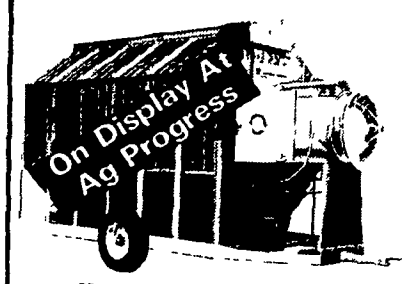

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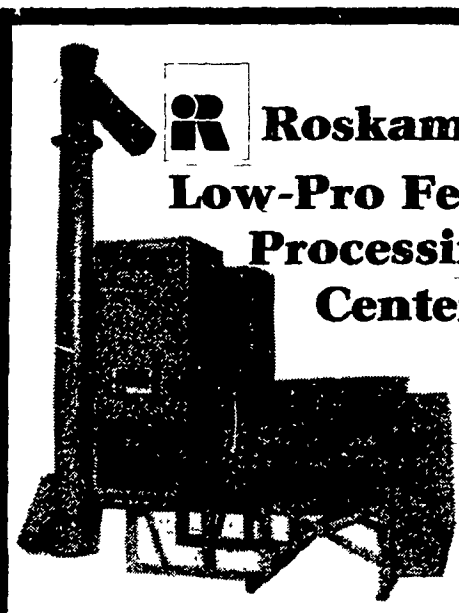

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SEE PAGE D6

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Chester-Del. Farmers Assn. forms Toastmasters

Chester/Delaware Farmers' Association members and their families line up, while Barbara Mast serves barbecued chicken, at their annual picnic.

Larry Kennel, DVM, Parkesburg, and his daughter, Fran, accept congratulations and a box of peaches as his award for the most humerous farm story at the Chester/Delaware Farmers' Association's Annual Picnic. Denise Wilkinson, Landenberg, Chairman of the Women's Committee makes the presentation. The peaches were donated by Barnard Orchards, Unionville.

PARKESBURG – Members and their families, of the Chester/Delaware Farmers' Association gathered recently for an afternoon of food, festivities and frivolity, at their annual picnic at the Elmer Mast farm near Parkesburg. Elmer Mast and his family prepared the barbecued chicken for the occasion.

The topic of conservation was the seriousness of the draught. Most corn fields on the way to the picnic showed evidence of needing water. Other fields looked like pineapple fields in Hawaii with their tightly curled leaves.

Albert Bartels, West Grove, President of the organization asked members to prepare their concerns for the county, state, and federal agricultural policies for discussion at their local policy development meetings. The meetings will be held the last week of August and early September at various locations around the County. Members will vote on the submitted policy statements at their annual meeting and banquet on Sept. 27.

George Lamborn, Oxford, distributed cards that carry milk promotion. He encouraged all dairy farmers to enclose the card with their payments for materials and supplies, that says, "Your purchase of milk and Real milk products are as important to my business as my dairy farm's purchases are to you. Let's keep each other in business." Another card is to be left with restaurant owners that feature Real dairy products.

Marshall Haws, Information

(Turn to Page E16)

Eleanor Marks, West Grove, registers Tom Merroth, Downingtown, at the annual picnic of the Chester/Delaware Farmers' Association, held at the Elmer Mast family farm near Parkesburg.

Dorothy Dartels, West Grove, came closest to guessing the weight of htis watermelon at 20.3 lbs. She took the melon home as the prize. Denise Wilkinson, Landenberg, Chairman, and the Women's Committee, handled the plans and program for the Chester/Delaware Farmers' Association's annual picnic.

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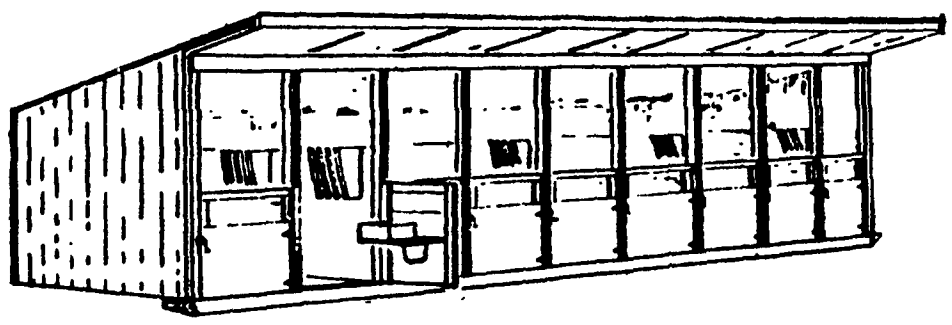

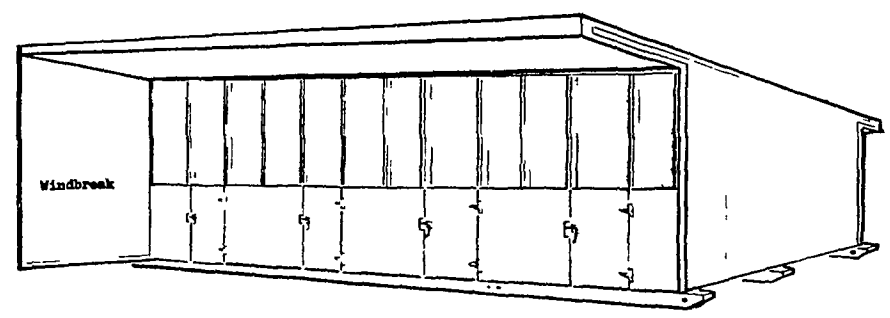

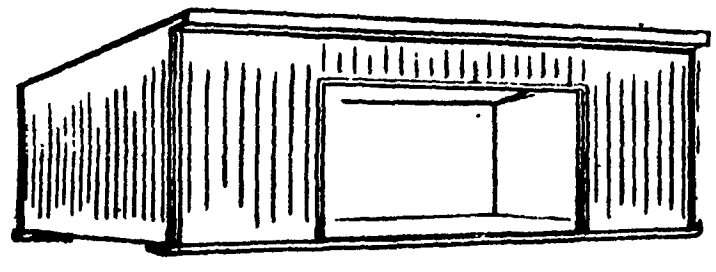

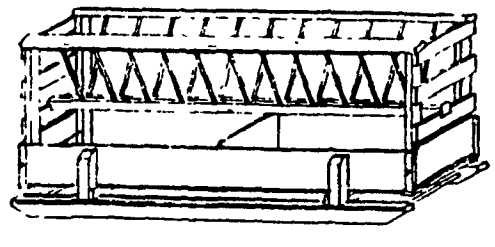

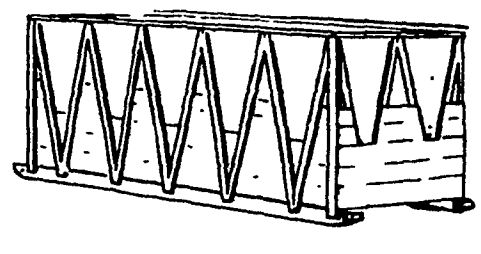

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1982 Ag Progress Photo highlight

The Ag Progress Days site stretches at base of mountains at Rock Springs Research Farm west of State College.

Tech explosion to continue

NEWARK, Del. — New technological areas such as microprocessors, microcomputers, robotics, and biotechnology are already cutting across agriculture, according to Bill L. Harriott, president of the American Society of Agricultural Engineers. "These areas will expand rapidly in the next decade," he says.

Harriott, a research and development consultant in Sunnyvale, California, was featured speaker at the American Society of Agricultural Engineer's North Atlantic Regional meeting, held recently at the University of Delaware in Newark.

Harriott said the interdisciplinary technological revolution is worldwide. He sees agricultural mechanization, forest engineering, food engineering, and other related areas assuming expanded roles in the international economy as agriculture takes advantage of unique business opportunities.

The American Society of Agricultural Engineers is a nonprofit technical, scientific, and educational society committed to improving agriculture through the application of engineering principles. The society's membership includes 9,000 agricultural engineers and 2,300 students.

Chester-Del. Farmers Assn.

(Continued from Page E15)

Director, identified several Farmers' Association members who recently established a Toastmaster's group in southern Chester County. He encouraged farmers, their wives and older children to participate in a Toastmaster's group in their area. "It is vital that farmers express their opinions in public meetings, township meetings, and to consumer groups," Haws said. "There is no one that can tell the farmer's story better than the farmer and his wife. If it is too far to travel to attend the nearest Toastmaster's group, then start one in your own community," Haws concluded. He also emphasized the need for members to understand and promote the market system for solving agriculture's food distribution problems. This is the approach that has been adopted by the American Farm Bureau Federation.

Dorothy Bartels, West Grove, was the winner of the "watermelon weight guessing" contest. Larry Kennel and his daughter, Fran, Parkesburg, were awarded a basket of peaches (donated by Barnard Orchards, Unionville), for his most humerous farm story. Denise Wilkenson, Landenburg, Chairman, and the women's committee hosted the picnic. Children romped in the grass — hunting peanuts, blowing bubles, and painting pictures.

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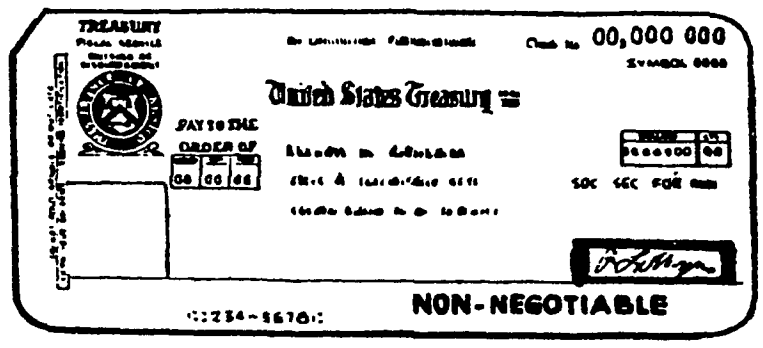

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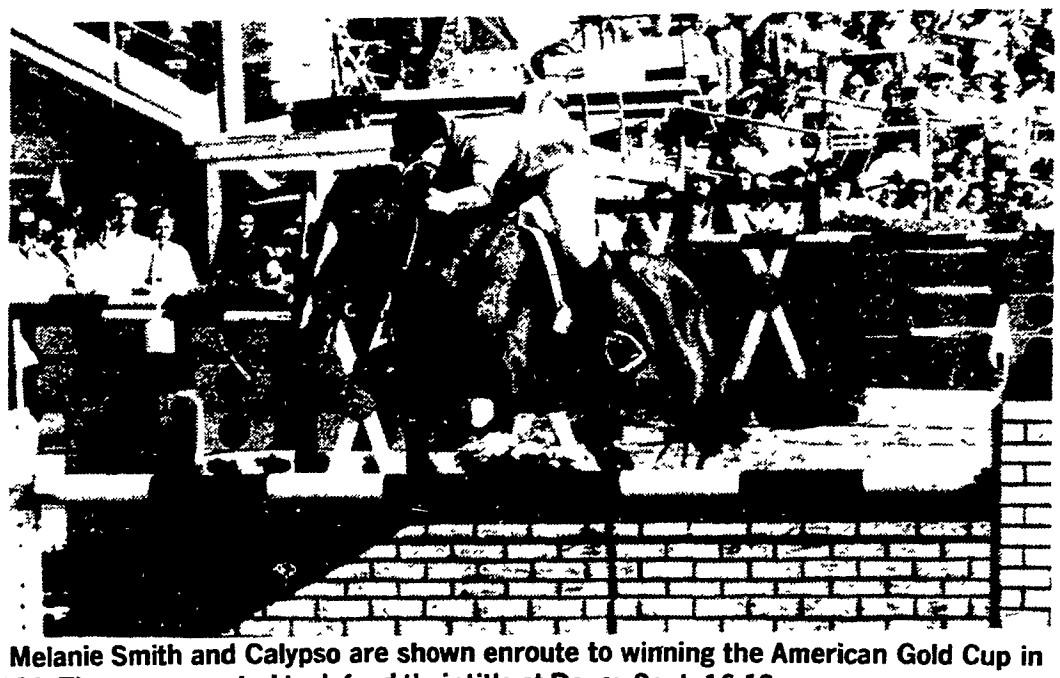
American Gold Cup at Devon on Sept. 16-18



Melanie Smith and Calypso are shown enroute to winning the American Gold Cup in 1982. They are expected to defend their title at Devon Sept. 16-18.

DEVON, Pa. — One of the most event-filled horse competitions ever staged in the Delaware Valley will take place Sept. 16-18 when the 165,000 Mercedes-American Gold Cup pays it's annual visit to the Devon show grounds.

Horse shoeing contests, draft horse exhibitions and how-to clinics from two of the world's top competitive riders will be highlights of the three-day Fall Festival.

There will also be classes for spotted Pinto Pleasure Horses, a breed rarely seen in this part of the country.

But all of this, plus exclusive boutiques and other features, will only provide a backdrop for competition among the country's best riders and horses in one of the most prestigious horse jumping events on the $1 million Mercedes-American Grandprix Association tour.

This year's Gold Cup is even more important than usual because many of the athletes are already vying for a place on next year's Olympic team.

Melanie Smith and Calypso, 1982 World Cup Champions, have won the $40,000 Gold Cup Grand Prix for the past two years and are expected to return to defend their title.

Among those who will be challenging her in this year's event will be current Grand Prix tour Leading Rider Leslie Burr, who won the Valley Forge Grand Prix in Wayne, Pa. on Albany earlier this year.

Also expected to compete are Norman Dello Joio and I Love You, 1983 World Cup Champions; Katie Monahan and Noren, 1982 Mercedes American Grandprix Association Leading Rider and Horse; and Michael Matz and Jet Run, 1981 World Cup Champions.

Leslie Burr and Michael Matz will present clinics Friday at 5 P.M. and Saturday at 4:30 P.M.

They will have a horse available for demonstrations and Burr will describe how to ride a jump-off course. They will discuss the upcoming class each evening, and will hold an autograph session following each 45-minute clinic.

A new and exciting addition to this year's Gold Cup will be classes for Pinto Pleasure horses, both Eastern and Western, during each session.

(Turn to Page E18)

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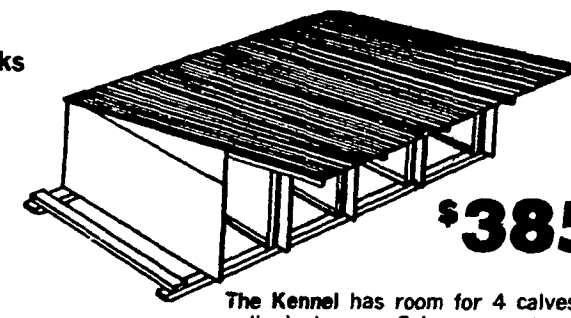
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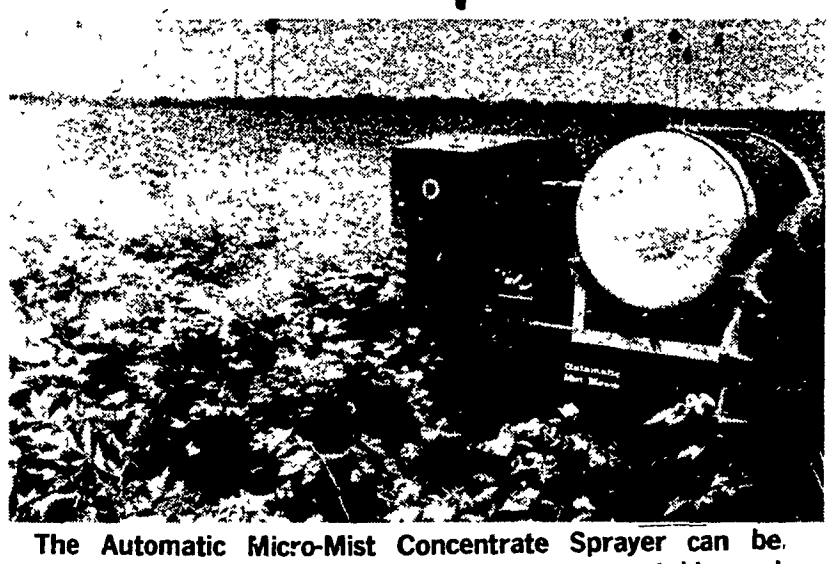
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Fungi can help wheat resist drought

WASHINGTON, D.C. — Scientists discovered that a fungus living symbiotically on wheat roots supported grain yields twice that of uninfected plants under greenhouse drought conditions at Lincoln, Neb.

The fungi have filament or mycelium type structures that penetrate plant roots and act as an extension of the root system, taking up moisture and nutrients from the soil for plant use.

The fungi, known as vesicular-arbuscular mycorrhizae (VAM), cannot grow without the plant, from which it obtains nourishment, and yet the plant itself benefits. The challenge now is to determine what is required to transfer this benefit to wheat grown under field conditions.

Microbiologist James R. Ellis of USDA's Agricultural Research Service (ARS), Lincoln, Neb., reported at the American Society of Agronomy annual meeting here that VAM enabled wheat to undergo more frequent and longer periods of drought stress and yield more grain than uninfected plants. Yield, however, was also affected by the stage of plant maturity during drought stress and subsequent moisture conditions.

"VAM mycelia, with their fine structure, can get into places where the root cannot and make available to the plant a lot more water and other nutrients, especially phosphorus," said Ellis. "This beneficial relationship has also been noted between VAM fungi and sorghum and VAM and grass."

With few cell walls, the mycelia provide a path for rapid movement of water and nutrients to help plants recover from drought stress quickly. And they may have hormonal effects, Ellis said. Some hormones may stimulate root growth. Others may reduce loss of water from the plant by producing hormones that help the plant govern the opening and closing of leaf pores, or stomata.

Ellis and his University of Nebraska colleagues at Lincoln are studying relationships among mycorrhizae infections, root developments, water and nutrients in the soil, and nutrient uptake in the plant. Nutrients in the studies include nitrogen, phosphorus, calcium, copper, iron, manganese, potassium, zinc, chlorine and magnesium.

They conducted their greenhouse study in soil 4 feet deep to avoid bound root systems.

"Hopefully this sort of experiment will help us go from greenhouse studies to field studies without a lot of loss of information," said Ellis.

In the greenhouse study, the researchers sterilized the soil and inoculated it with the strains of VAM they wanted to study. They found that severe reduction in yield of water-stressed wheat was prevented by both Glomus deserticolum and G. fasiculatum, two common VAN fungi.

"We've also found that some mycorrhizae are a little lazy while others are more active," says Ellis. "They have different abilities and that's why we're looking for a superbug. If we find one, however, we would need to learn what cultural practices might make it compete well with other VAM in nature."

Related studies at Kansas State University by microbiologist Barbara A. Daniels indicate that crop rotations affect VAM survival rates. Although wheat benefits from VAM, she found that infection was low in continuous wheat.

In tillage studies Ellis has found VAM populations in the top 6 inches of soil slightly greater on land that is in no-till fallow and treated with herbicide to control weeds, than in plowed or sub-tilled fallow soil. In sod he observed even higher populations in the top 6 inches but below that populations dropped lower than in any tillage system.

The extent of VAM infections may also be goverened by the plants' need for them. Ellis said that apparently an interaction between VAM and plants controls infections in a way that keeps the biological systems from wasting energy.

In an area where soil fertility is low, VAM help plants overcome mineral deificiencies. Is there any danger that VAM could deplete soils of trace minerals?

"I don't think so," Ellis replied. "Soil fertility specialists generally seem less sold on replacing trace minerals than they once were. We have a big reservoir of trace minerals in our soils. The problem is making the minerals that are present available to the plant."

Dairy farmers to be polled

WASHINGTON, D.C. — Affected dairy farmers will be polled through their cooperative associations to determine if they approve a U.S. Department of Agriculture final decision to amend the Middle Atlantic federal milk marketing order.

Edward T. Coughlin, dairy official with USDA's Agricultural Marketing Service in Washington, D.C., said the amendment reduces from 40 to 30 percent the minimum percentage of a cooperative's total member milk that must be delivered to pool distributing plants to pool its reserve processing plant.

The amendment was proposed by Pennmarva Dairymen's Federation, a federation of six cooperative associations. The action is necessary to accommodate the pooling of milk regularly associated with the market while minimizing hauling costs, Coughlin said.

Principal cities in the Middle Atlantic market area are Philadelphia, Pa., Baltimore, Md., and Washington, D.C. The decision is based on the record of a public hearing held in May.

No comments in opposition to the proposed amendment were received by AMS during a recently ended public comment period, Coughlin said.

The final decision was published in the Aug. 9 Federal Register. Copies also are available from: Joseph D. Shine, market administrator, P.O. Box 710, Alexandria, Va. 22313 - telephone (703) 549-7000; or, Dairy Division, AMS, USDA, Washington, D.C. 20250.

American Gold Cup

(Continued from Page E17)

Ray Hartenstein and his six-horse hitch of black Percherons will perform an exhibition at all the afternoon and evening sessions.

Another first for this year's Gold Cup will be a horse-shoeing contest to decide the Champion of the Pennsylvania Guild of Professional Horseshoers.

The contest will take place all day Saturday with the finals Sunday morning at 11 A.M.

The exciting and full weekend of jumping will begin Friday evening at 7 P.M. with the Gold Cup Grand Prix qualifying class and will continue with Intermediate and Speed events Friday evening and Saturday afternoon and evening.

Grand Prix jumping is the most difficult test of a jumping horse and rider, featuring fences from 5 feet in height and a wide water jump, with difficult combinations and a thrilling jump-off against the clock.

Olympic team hopefuls will be competing not only on their established equine stars but also on younger horses that they are preparing for future greatness.

Also competing will be the top starts from the professional ranks, including the great Devon favorite, Harry deLayer on his Dutch Crown, Rodney Jenkins and Barney Ward.

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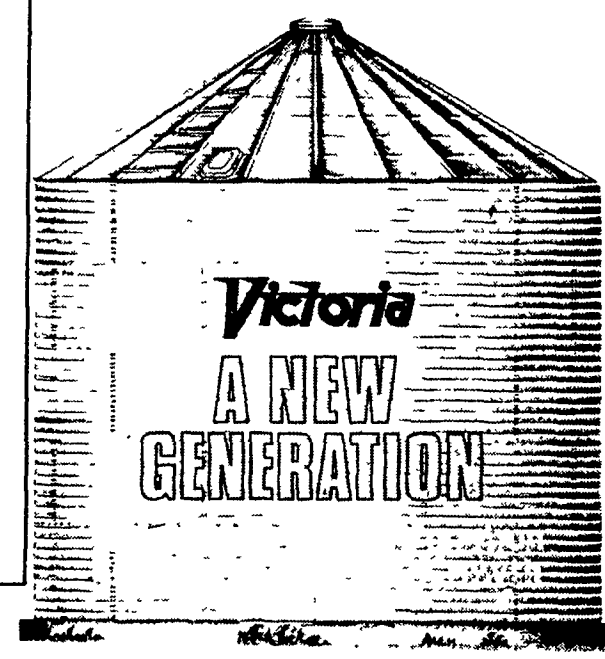

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Penn State develops computer fencing program

UNIVERSITY PARK — Smooth-wire tension fences, conceived in Australia and New Zealand, are the newest idea in farm fencing.

The new-style fences are replacing barbed wire and woven fence, says William L. Kjelgaard, engineer with the College of Agriculture at Penn State. Kjelgaard indicated the smooth-wire tension designs are cheaper and easier to build than old-style fences, take less time to construct, last longer, and do the job quite well.

Tension fences depend on tight, closely spaced horizontal wires, Kjelgaard commented. He termed wire tightness a key factor in effective construction. Strong galvanized wire is used. Support for tight wires requires well built, anchored, and braced post structures at corners and gateways.

Kjelgaard and associates have developed a computer program to make quick and accurate estimates of materials needed for smooth-wire tension fences, as well as cost estimates.

Estimates of materials and costs can be run on a T159 home computer or Apple II with graphics, it was pointed out. Assistance is also available from county offices of the Cooperative Extension Service or from the Department of Agricultural Engineering at Penn State. The latter address is 250 Agricultural Engineering Building, University Park, PA 16802.

In figuring costs and materials for smooth-wire fencing, a computer lists the amount of wire needed, the size and number of posts, and accessories such as pounds of staples, take-up devices, and electrical insulators.

Several tension fence designs are available. The designs vary in number of wires, wire spacing, post distances, and bracing. Either all or selected strands of wire are electrified.

"Each design factor has an impact on the fence materials list and cost," the Penn Stater indicated. "The computer plan considers the acreage to be enclosed and the general shape of the enclosure," he added.

The computer compares cost for the different enclosures. The Penn State engineers have observed, for example, that a 10-acre square pasture — using a 5-wire, all-electric, single braced fence — can save 30 percent or about $250 over the cost of a 10-wire double-braced, non-electric fence.

Calling attention to the new concept of fencing, the Cooperative Extension Service at Penn State has just published a circular entitled, "Smooth-Wire Tension Fences — Design and Construction." The circular is available from county agents in Pennsylvania or from the Mailing Room at 112 Agricultural Administration Building, University Park, PA 16802.

In another development, agricultural engineers at Penn State have designed a new structure to support fence corners. Known as the pre-stressed knee brace, it was designed and tested by Kjelgaard and associates. The cost is lower than costs for present corner structures, it was stated, and the design requires only one post hole.

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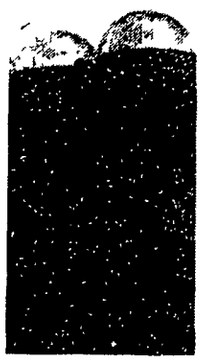

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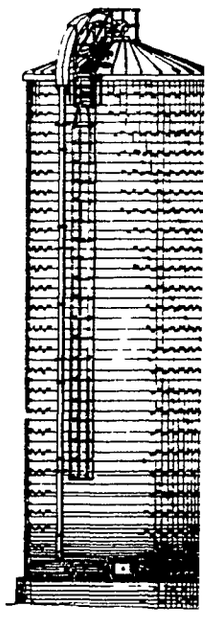

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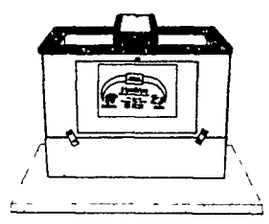

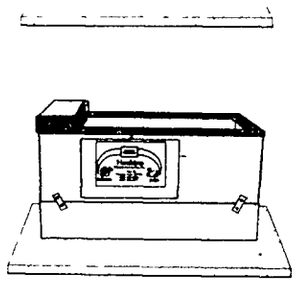

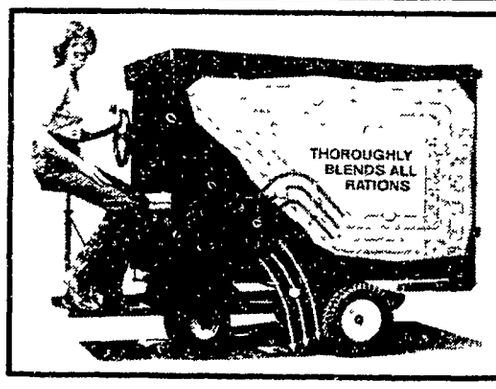

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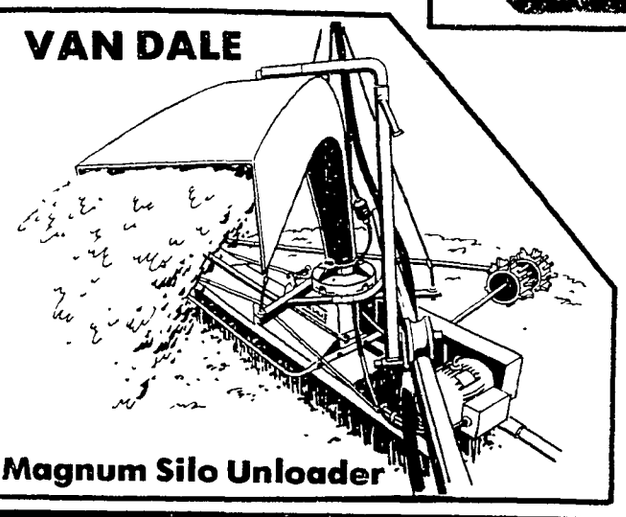

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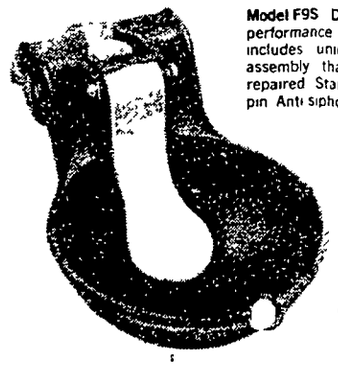

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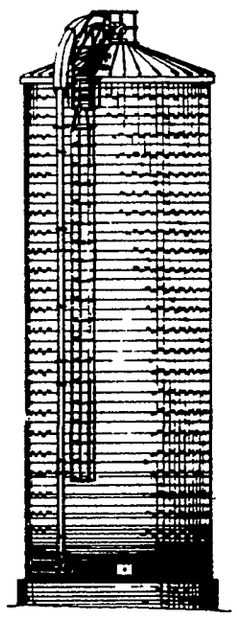

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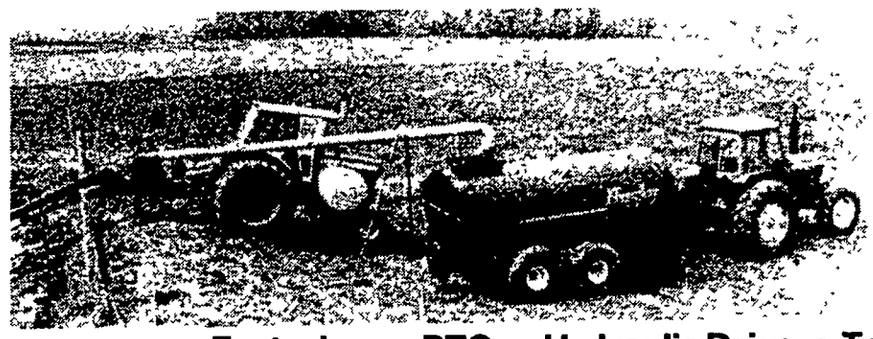

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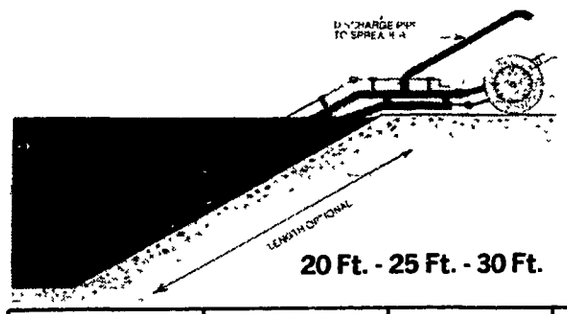

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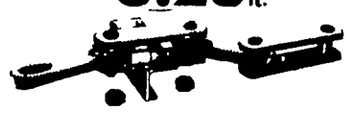

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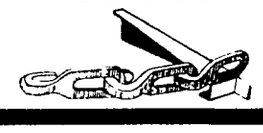

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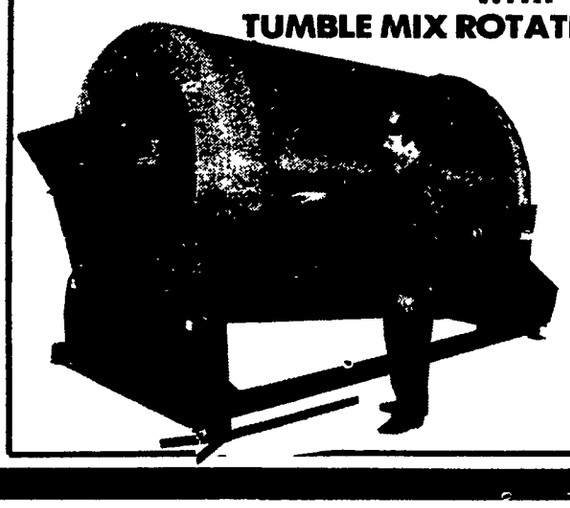

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All-America Selections is now celebrating its 50th anniversary. Currently, 60 judges maintain official trial gardens throughout the United States and Canada. The AAS judges at Penn State are Dr. Robert Fortney for flowers and Dr. Peter Ferretti for vegetables — both with the College of Agriculture.

Since 1933, nationwide judges of the AAS have grown countless new vegetables and flowers alongside established varieties for comparison. At Penn State, Earle I. Wilde started growing extensive trials in the early 1930's.

The vegetable judges evaluate new varieties for flavor, texture, disease resistance, growth and space efficiency, nutrition, and novelty value.

AAS flower judges rate new varieties for color, resistance to disease and insects, resistance to weather stress, prolonged flowering, attractiveness of blooms, uniformity, and fragrance.

Outstanding new varieties become All-America Selections winners. Only about a dozen varieties have received the coveted gold medal. These are given to varieties with exceptional uniqueness and extreme adaptability throughout North America.

Fortney and Ferretti indicated the past 50 years have produced several outstanding flower and vegetable varieties. Gold medals for vegetables went to Salad Bowl lettuce in 1952, to Green Comet broccoli in 1969, and to Sugar Snap edible-podded pea in 1979. These varieties are widely grown today.

The first flower to win a gold medal was Golden Gleam nasturtium in 1933. Gold medals went also to Scarlet Gleam nasturtium in 1935, to Scarlet O'Hara morning glory in 1939, and to Fire Chief petunia in 1950. These flowers also stood the test of time and are still popular.

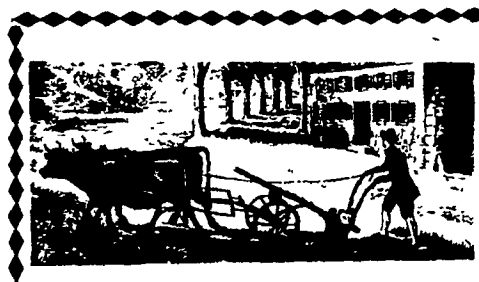
In its 50th year, All-America Selections named four new winners, a grandiflora petunia hybrid named "Red Picotee," a variegated kochia (herb) named "Acapulco Silver," and a hybrid cucumber named "Sweet Success".

For its first 39 years, the headquarters of All-American Selections were in Harrisburg, under the direction of the late W. Ray Hastings. Penn State judges over the years - in addition to Ferretti, Fortney, and Wilde - included Martin L. Odland, Robert P. Meahl, R. William Hepler, and Marvin H. Runner.

By 1941, Penn State's AAS trial gardens were attracting many professionals in the garden trade, as well as home gardeners. An annual summer meeting of professionals was attended that year by about 50 seedsmen and garden writers. Since then, attendance at the summer trade meeting has more than doubled.

The summer meeting features presentation of the All-American Medallion of Honor, usually to plant breeders, for outstanding achievements in horticulture. Also attending are representatives of the sister organization in Europe, Fleuroselect. The latter was organized in the early 1970's.

Penn State's trial gardens of All-America Selections are open to the public. They are located along University Drive which joins State College and the Penn State campus. The plots are at their peak of production from early August into mid September.


A progress

Penn State August 23-25

Sod-seeded brassicas are newest in conservation

UNIVERSITY PARK — Growing brassica forages in sod instead of bare soil is the latest achievement with these hardy and high energy forages that are gaining renewed interest among farmers.

The brassicas — turnips, rape, swedes, and kale — have gained considerable attention in Pennsylvania the past few years. Field studies by Gerald A. Jung and associates at Penn State have shown that brassicas can provide highly nutritious pastures long after the typical forage grasses are no longer productive.

"By seeding into sod, brassica crops can be grazed in all kinds of weather with little soil compaction," Jung stated recently. "We obtained about 1,000 grazing days per acre in experiments on privately owned farms with a wide range of soils and weather conditions throughout the state," he added.

Some of the brassica field studies will be shown during Ag Progress Days next week at Penn State's Agricultural Research Center, nine miles southwest of State College on Route 45.

The Penn State studies show several advantages in planting forage brassicas in living sod: (1) soil erosion is reduced, (2) less soil moisture is lost because the sod acts as a mulch, (3) time is saved in planting the crop, and (4) the sod permits grazing of livestock in wet weather.

From their experiments to establish brassica crops in sod, Jung and associates made several observations dealing with excessive competition from the sod as well as poor vigor of seedlings. Stand establishment can be poor in the spring when heavy grazing is used, instead of an herbicide, to suppress the sod. Applied nutrients, especially nitrogen, favor rapid regrowth of sod.

Seedling emergence of many brassica varieties can be delayed, Jung said, by cool soil temperature. The Penn States concluded that spring seedings should be made at corn planting time or later.

Stand establishment was poor during dry periods which delayed brassica germination nearly three weeks in May. When rainfall was adequate to germinate brassica seed, paraquat-treated sod became too competitive for stand establishment. On the other hand, glyphosate-treated sod remained dormant longer than paraquat-treated sod and did not interfere with brassica establishment.

Stand establishment of brassicas was poor on soils subject to flooding, even for a few days. The same was true where skips occurred in applying herbicide, even in August when the sod was not growing vigorously and sunlight penetration did not seem to be critical.

"Most of our experimental plantings did not suffer economic losses from insects," Jung commented. "Consequently, we seldom saw a need for insecticides to control pests. Natural control by parasites prevented excessive loss of foliage. For the present, we expect few problems from insects," he said.

Dry matter yields 90 days after seeding the brassicas often exceeded 5,400 pounds per acre, and sometimes surpassed 7,100 pounds per acre. Jung indicated these yields were, for the most part, obtained when grass competition during establishment was minimal but not absent.

Nutrient deficiency symptoms were not apparent in the plots. Applied were 70 pounds per acre of nitrogen, 25 pounds per acre of phosphorus, and 50 pounds per acre of potassium. However, a fertilizer trial showed that brassica crops will respond to higher rates of applied nitrogen.

"Growers should be aware that first-crop turnip yields generally peak 90 days after seeding, and rape yields peak 120 days after seeding," Jung pointed out. "Swedes and kale can use the whole growing season and have higher yield potentials in Pennsylvania–six to eight tons of dry matter per acre–than turnips or rape in a one-harvest system," he noted.

He added, however, that summer harvest of spring-seeded turnips or rape often results in rapid regrowth of these crops.

The Penn State agronomist indicated that brassica forage was available when yields of cool-season grasses were relatively low. For instance, in a trial in southwestern Pennsylvania, dry matter yields of rape in November ranged from 4,400 to 5,500 pounds per acre. At the same time, orchardgrass yielded only 1,100 pounds per acre.

Moreover, dry matter digestibility, as measured in laboratory experiments, averaged 90 percent with rape and 60 percent with orchardgrass.

After six years of experiments with brassica crops at Penn State, Jung claims these forages are well suited to fall weather conditions. Summer-planted turnips accumulate dry matter yield in October as corn does in August.

"We observed dry matter accumulation by turnips of 180 pounds per acre daily in October. Energy production equaled the equivalent of 115 bushels per acre of corn between early August and early November," he affirmed.

Forage research plots last year at Ag Progress featured some of the Brassicas, such as turnips and rape.

Penn Ag Demos to meet

AG PROGRESS — Samuel Morris, Chairman of the Agriculture and Rural Affairs Committee of the Pennsylvania House of Representatives, will be the featured speaker at the Third Annual Ag Progress Days Luncheon of the Penn Ag Democrats.

The meeting will take place on Tuesday, (during Ag Progress Days) at the Holiday Inn, State College, starting with a buffet luncheon at noon. Buses will leave Ag Progress Days grounds from the administration building at 11:30 a.m.

The Penn Ag Democrats is a statewide political action committee recognized by the Pennsylvania Democratic State Committee. It is dedicated to working with the Democratic Party for the betterment of agriculture in Pennsylvania.

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York County DHIA Monthly Report

dhia — Pennsylvania Dairy Herd Improvement Association

July Report

1,088 lbs BF and 23,756 lbs milk was produced in 305 days by V Joak a 8 year old holstein owned by George Knight, R 1 Airville Second high was Deah a 8 year old holstein who produced 1001 lbs BF and 23,245 lbs milk in 305 days, owned by Stump Acres, R 10 York

High herd was Smyser's Richlawn, 2691 E Berlin Rd , York with 68 holstein cows producing 21,474 lbs milk and 790 lbs BF Second high was Lynn Wolf, R 1 Abbottstown with 62 holstein cows producing 20,166 lbs milk and 780 lbs BF

OWNER	BREED	NO. COWS	% DAYS IN MILK	LBS. MILK	LBS. FAT
Smysers Richlawn FMS	3	68 1	86.9	21,474	790
Lynn Wolf	3	62 0	91.5	20,166	780
Jim&Holly McCaffree	5	4.0	81.3	19,439	*772
Stump Acres	3	89.3	89.8	19,050	749
Jim&Holly McCaffree	3	38.3	83.0	20,297	*730
Wayne E Myers	3	40 1	85.1	19,299	725
H S&R E Fetrow	3	77 2	87 5	19,316	722
Beshore Farms	3	45 5	81.7	19,447	715
The J E Baker Co	B3	42 4	86 4	19,177	696
Paul R King	3	51.9	88.3	17,597	695
David Stewart	3	109 9	88.9	19,568	688
Thomas A Boyer	3	41.9	83.7	19,158	686
Rick L Cook	B3	57.4	85.5	17,370	672
Lonnie Robinson	B3	31 3	95.8	17,366	670
Geo Knight	3	122 6	89 2	18,281	660
Sinking Spring FmInc	3	66 9	87 0	18,331	659
William Myers	B3	40 3	87.3	17,769	652
McRal Dairy Farm	B3	148.1	90.8	18,454	649
B Robert Charles	B3	46 8	86.6	18,894	649
Rineway Dairy Farm	B3	93.4	86.7	17,158	647
Earl Fuhrman	3	83.7	84.9	17,103	637
Wayne B Mummert	B3	72 2	85 7	17,172	637
William Ruppert	B3	52.9	86.0	17,820	635
Melvin R Lehr	B3	49.5	84.1	16,819	627
Smokey Hollow Farm	G3	32 1	88.2	17,639	621
Leroy Bupp	3	96.1	89.9	18,367	621
Big T Holsteins	B3	89.6	84.5	17,257	618
Fawn Meadow Holstein	B3	66.3	87.0	17,146	618
Walnut Hill Farm	B3	38.6	88 5	17,308	614
T Edwin Johnson	3	63 8	85.2	16,061	614
Edwin L Calhoun	G3	44 2	89.3	16,625	612
Leland Stanfor...		35 3	86 7	17,101	605
Harold Brown	3	71.5	84 4	16,249	602
R R&M R Stewart	3	55.0	89.7	16,573	*600
Fred Sprenkle	3	43.9	84.5	17,497	596
J H&M B Hushon	B3	94.9	88.4	16,149	592
Ellis Crowl	B3	101.1	87.3	16,882	591
Rutter Bros	2	82 0	87 4	12,036	590
Wayne L Sweitzer	B3	92 9	88.0	15,927	590
Gum Tree Farm	3	43.1	89 5	16,894	589
Mervin W Hertzler	2	63 6	87.6	12,381	585
Titus Walker	G8	36 4	86 2	15,619	585
C Robert Kilgore	3	49 0	87.9	16,802	584
George F Innerst	B3	70 0	86 8	15,910	580
Elvin G Molison	B3	146 9	85 0	16,307	577
Dennis J Myers	3	52 5	87.7	15,760	576
Double D Farm	B3	94 6	82.8	15,746	576
Honeycrest Fm	B2	101.7	86 7	13,492	575
Walkers Farm	B3	75.1	86 7	15,869	573
David L&Chris Druck	B3	73 8	82 5	17,714	568
Richard E Stough	B3	36 3	91 0	15,866	567
J Donnell Taylor	B3	112 8	85 6	15,733	566
William H Fantom	B3	65 6	85 7	15,449	565
John C Krone	B3	40 3	86 5	15,833	564
Hidden Springs Farm	B8	89 6	84 1	14,474	563
Irvin R Martin	2	5 9	94 8	11,611	559
Rodman C Thompson	3	64 5	83 8	15,796	559
Dale L Barshinger	B3	41 6	85 2	15,519	558
Kenneth L Rexroth	B3	135.3	87 5	15,006	556
Daryl L Bair	G3	38 2	88 1	16,267	555
Robt Baumgardner Jr	B3	57 3	82 4	14,929	548
Eisenhart Bros	B3	76 4	86 7	14,779	547
Robert W Mays	B3	64 0	87 2	15,828	542
Elwood T Krick	B3	83 6	91 3	14,225	537
Cool Branch Farm	B3	85.0	86.3	14,236	537
Eugene B Taylor	B3	42 9	87 8	14,647	534
Furnace Creek Farm	3	107.4	85 0	14,558	533
John D Adams	B3	76 0	86.8	15,069	532
Ramsey S Cooper Jr	B3	55 6	86.8	14,664	532
Phillip D Laughman	3	29 4	82 7	14,901	531
John P Bortner	B3	29 4	88.6	14,239	530
Horace E Heindel	B3	127 1	82.2	15,580	*529
Desota&Robt Burchett	B3	104.9	86.9	14,402	527
Barrens View Fm	B3	62.8	90.2	14,578	527
Leroy Hertzler	B3	29 5	85.9	14,093	526
Doug&Gene Kilgore	B3	63.2	83.1	14,143	526
Philip R Stambaugh	3	60.6	87.8	14,316	523
David V Thompson	B8	69 5	80.2	14,087	517
Palmer McWilliams Jr	B3	39.5	84.3	14,400	515
My-T Farms	B3	48 8	84.6	13,626	514
R&M Farms	G3	39 6	83 5	13,386	513
Jacob Brubaker	G3	52 0	84 5	13,910	513
James W Miller	3	83.9	89 1	14,332	512
Donald Lanius	B2	92.7	84.5	10,759	511
Perrydell Farms	G3	174 3	84.9	14,289	511
Fred Kimmel	B3	15 9	85 9	14,065	509
Keith A Shaffer	3	46.7	84 7	13,300	508
Gary W Thoman	3	46 3	85.9	14,285	508
Newbury Farm-D Shenk	G3	43.4	87 0	13,092	506
Walter L. Amstutz	B3	40 8	90.3	14,496	505
Albert Neufeld	B3	125.5	84.6	13,999	504
D Fantom&E Gordon	B8	64.9	93.6	13,090	503
Deal Holsteins Farm	B3	111.0	85 4	13,387	503
David M Emig	B3	59 9	83.1	12,113	501

*-Indicates these cows have been milked 3 times

OWNER NAME OR NUMBER	BREED	AGE	DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
Geo Knight						
V Joak	3	8-7	305	23,756	4.6	1088
Donna	3	7-9	305	19,772	4.1	815
Ivan	3	7-10	305	15,488	2.7	423
Burke	3	6-11	305	21,922	3.7	816
30	3	5-11	305	23,485	3.8	884
23	3	6-2	305	19,933	3.7	730
154	3	6-2	305	18,940	3.4	650
132	3	7-0	305	17,846	3.9	692
44	3	5-0	305	18,594	2.6	488
Et 13	3	4-9	305	14,783	3 9	576
Et 20	3	4-4	305	16,804	3 1	527
Et 63	3	3-8	305	15,927	4 1	658
Et-59	3	3-9	305	22,437	3.1	691
Et-53	3	3-9	305	18,415	3 8	704
Et-62	3	3-7	305	20,807	2 8	589
Et-79	3	3-1	305	20,252	3 5	717
Et-85	3	3-0	305	20,819	3.3	687
Et-106	3	2-7	305	16,612	3 2	525
Et-94	3	2-9	305	17,967	3.4	602
Et-92	3	2-9	305	20,143	3.7	745
Et-95	3	2-9	305	14,687	3 6	525
Mitsy	3	2-3	305	19,055	3 7	710
Et-104	3	2-8	305	16,315	3 7	598
Et-87	3	2-11	305	15,902	3 5	560
Et-83	3	3-0	295	15,793	3 8	607
#Collen	3	2-2	305	19,164	3 4	659
300	3	4-10	237	14,313	3.7	525
Fawn Valley Farm						
Kizzie	3	5-7	305	17,375	3.2	555
Sis	3	3-10	305	19,473	2 4	473
David V Thompson						
93	3	9-4	305	17,129	3 7	632
194	3	4-2	305	13,342	4.1	545
P-54	3	4-1	277	18,187	3.1	571
202	3	3-4	305	15,246	3.5	541
P-79	3	0-0	305	17,005	3.7	628
William H Fantom						
Cream	3	10-8	305	13,413	4.5	600
Ann	3	10-3	263	12,738	4.0	512
Connie	3	6-2	294	18,432	3 6	663
Mildred	3	4-6	305	19,322	3.7	719
56	3	3-11	305	18,273	3 8	694
57	3	4-0	305	19,677	3.4	666
Heide	3	3-8	305	16,884	3 7	624
Ellis Crowl						
W 27	3	9-10	291	14,867	4 0	599
R 12	3	6-3	302	19,083	3 5	676
107	3	6-5	292	21,871	3.0	652
133	3	4-9	286	14,382	3.6	520
Rusty	9	3-5	300	15,975	3.4	548
Y-36	3	2-3	305	16,919	3.4	573
Y-116	3	2-3	305	12,091	4.4	527
Donald Lanius						
Popeye	2	8-7	305	10,628	4.9	516
Goldie	2	5-2	305	15,006	4.4	658
Maud	2	5-1	305	12,699	5.3	672
Dawn	2	3-4	305	10,463	5.6	584
Cora	2	2-7	305	10,647	4.8	506
Wanda	2	2-1	305	10,610	4 7	500

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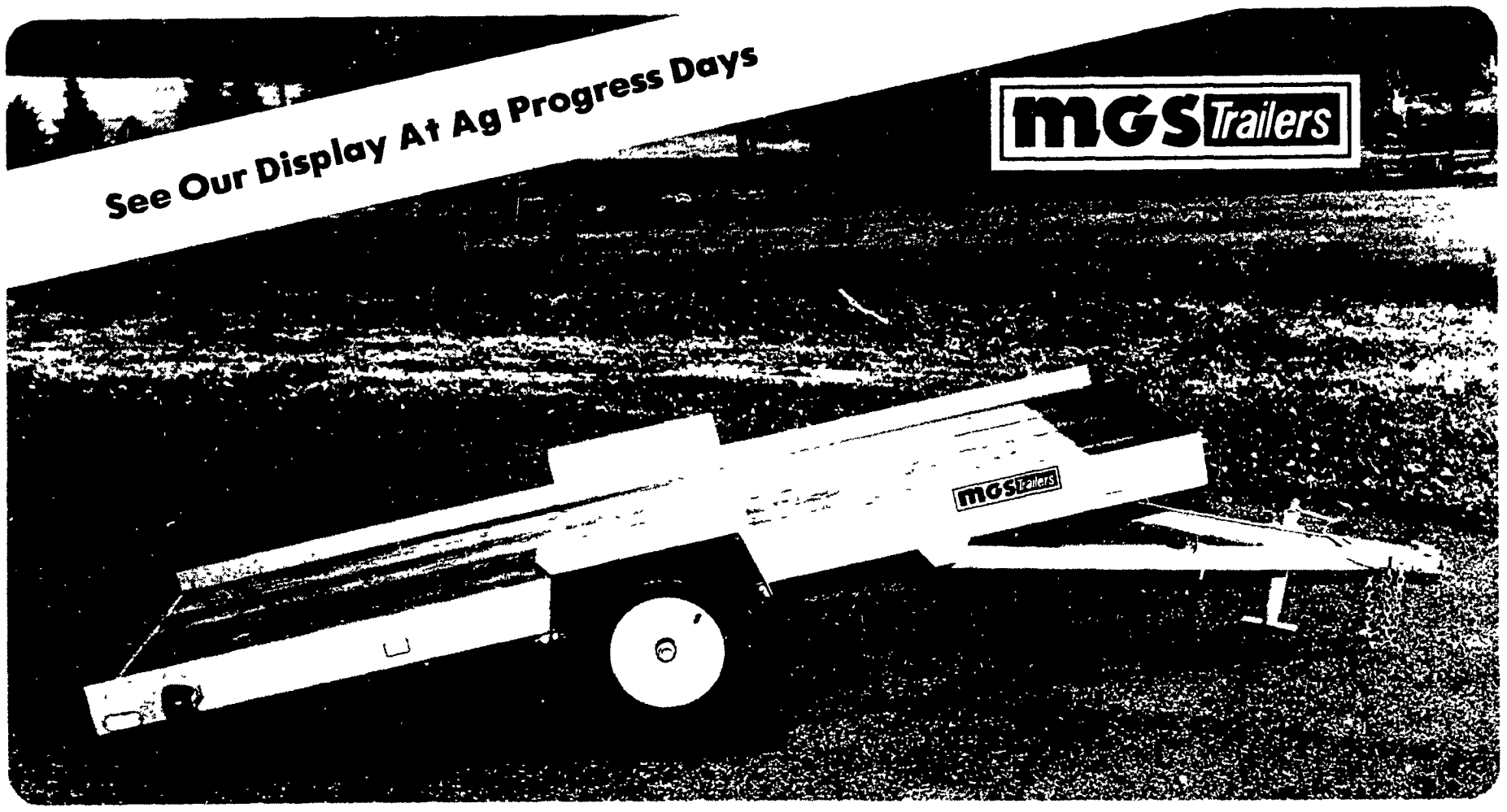

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York Co. DHIA

(Continued from Page E24)

Sinking Springs Fmlnc						
Tina	3	5-6	305	20,562	4 0	816
Jen	3	2-11	305	22,111	3 5	764
Wendy	3	3-6	305	16,488	3 8	626
Tilly	3	2-2	305	17,400	3 7	651
Kim	3	2-1	291	15,890	3 3	523
Rutter Bros						
Wildie	2	5-0	305	11,082	5 6	617
Bojo	3	3-11	288	11,873	4 9	577
Beshore Farms						
Iona	3	9-6	274	19,712	3 2	623
Laverne	3	4-2	305	20,372	4 2	859
Job	3	4-2	177	13,595	3 7	500
Josie	3	3-2	289	15,117	3 7	563
Edith	3	4-9	305	15,590	4 1	640
Mellow	3	3-0	269	13,501	3 8	507
Harold Brown						
Kitty	3	9-9	305	18,841	3.9	726
Val	3	7-0	305	14,993	4 1	609
Rayn	3	7-0	305	19,390	3.7	708
Poly	3	5-7	305	16,734	3 7	615
Pride	3	4-10	305	20,873	3 6	758
Charm	3	4-6	305	16,351	4 5	735
Gwen	3	4-9	278	19,182	3 7	710
Misty	3	3-6	305	16,764	4.9	816
Violet	3	3-5	305	14,427	3.8	547
Bell	3	3-3	305	16,297	4 0	648
Cecile	3	3-5	305	17,190	3.3	560
Elga	3	3-6	297	13,333	4.1	541
Canary	3	3-2	305	17,959	3.8	679
Velma	3	3-4	305	14,885	4.0	598
Taffy	3	3-7	305	16,488	3.9	635
Becky	3	3-2	305	17,110	3 6	623
Minnie	3	2-11	305	15,217	4 0	604
Gum Tree Farm						
Eowyn	3	3-7	305	15,917	3.5	553
Edie	3	3-6	294	15,448	3 8	592
Debbie	3	3-11	296	16,389	4 4	728
Flo	3	2-1	305	16,411	3.2	525
Felicia	3	2-1	298	10,375	5.0	515
Albert Dehoff						
254	3	6-0	299	13,623	4.1	559
300	3	6-10	305	14,973	4.2	636
313	3	3-11	298	13,351	4.0	531
359	3	2-11	305	12,939	4 2	541
370	3	3-1	305	12,679	4.2	537
Elwood T Krick						
Ginger	3	9-6	305	17,250	3.3	571
14	3	4 3	305	14,915	3 5	526
82	3	3 8	305	13,206	4 2	554
The J E Baker Co						
12	3	7-4	305	23,059	3 5	810
Fred Sprenkle						
Genie	3	7-8	305	18,301	3 2	591
Magic	3	3-5	274	12,715	4 1	524
Doug & Gene Kilgore						
Viv	3	4 7	305	16,581	3 9	646
Becky	3	3 10	305	16,538	4 7	776
Sandy	3	3-2	305	14,142	3 7	522
Camille	3	3-3	305	19,864	3 3	654
Penny	3	4-0	305	11,155	4.8	531
Thomas A Boyer						
Beauty	3	6-1	294	19,380	3 9	762
Esther	3	3-3	305	21,109	4 5	954
Fruity	3	1-11	302	14,133	4 3	603
Earl Fuhrman						
56	3	4-11	305	20,843	3.6	758
Glee	3	4-0	305	16,507	4.5	737
Pepsi	3	3-5	305	18,057	3.6	651
70	3	3-7	305	19,024	3 6	689
Furnace Creek Farm						
Amanda	3	7-1	305	15,316	3.5	539
Myrtle	3	6-9	305	15,311	3 6	547
Harriet	3	3-2	305	16,983	3.6	614
14	3	2-8	305	13,920	3.7	513
H S & R E Fetrow						
Jean	3	9-11	305	18,617	3.5	657
Ella	3	6-0	239	15,672	4.0	631
Sadie	3	5-2	305	22,522	4 0	907
May	3	4-7	305	20,636	3.2	662
Lulu	3	3-7	294	18,450	3.7	677
Flossy	3	3-3	305	20,013	3 2	639
Joy	3	2-6	284	16,553	3.5	580
Mel	3	2-9	299	19,397	3.6	691
Mary	3	2-10	305	18,298	3 0	550
Fayne	3	2-7	305	16,044	4.1	664
Joan	3	2-6	305	18,173	3.5	644
Senora	3	2-8	258	13,419	4 3	571
Rodman C Thompson						
Kadidle	3	9-10	305	18,367	3 9	721
Tonya	3	7-8	305	17,897	3 3	595
Twinsky	3	6-8	305	20,965	3 7	769
Theda	3	3 0	305	14,525	4.3	618
Kelly	3	2-6	305	15,072	3 8	568
Stump Acres						
Dean	3	8-11	305	23,245	4 3	1001
Honey	3	6-3	305	16,359	4.1	665
Steany	3	4-11	305	20,671	3 8	779
Georgia	3	4-3	266	14,637	4.3	628
Trina	3	3 10	305	20,929	3.9	815
Sabina	3	2-0	305	13,609	4.3	584
Nita	3	1-11	299	19,675	3 7	729
J H & M B Hushon						
92	3	7-4	305	15,210	4.4	671
97	3	6 7	286	15,604	3 7	578
67	3	5-0	278	17,782	3 8	673
155	3	4-1	305	14,876	4.6	680
161	3	7-8	301	17,185	3 4	582
56	3	3-0	289	12,478	4 2	522
Rineway Dairy Farm						
114	3	9-6	305	22,493	3 4	771
228	3	4-3	282	13,673	4 3	585
R R & M R Stewart						
Tanya	3	2-1	305	13,731	3.7	511
Zell	3	2-7	280	16,031	3.7	594
Plebe	3	2-1	303	16,883	3 5	598
Smysers Richlawn Fms						
Pauline	3	6-10	290	23,210	3 5	803
Buffy	3	2-1	305	19,729	3.4	672
T Edwin Johnson						
Glamour	3	7-9	305	19,313	3 8	725
Leroy Bupp						
Mickie	3	3-4	300	17,927	2.9	518
Duey	3	3-8	305	21,972	3.0	669
Honeybe	3	2-6	305	17,598	3.7	645
Palmer McWilliams Jr						
80	3	9-8	305	14,358	4.1	593
Dennis J Myers						
Spot	3	5-1	305	19,305	3.6	692
Lisa	3	4-2	305	15,544	3.9	604
Ruth	3	2-1	305	14,269	3.7	521
Deb	3	1-10	305	15,436	3.7	577
Titus Walker						
4063	3	6-11	305	13,014	4.1	536
4121	3	6-5	305	16,464	3.3	538
C Robert Kilgore						
Kate	3	8-5	305	16,899	3.6	605
Nickie	3	3-8	305	18,531	3.4	632
Spark	3	3-6	305	17,283	3.4	588
Philip R Stambaugh						
Liz	3	6-2	305	14,377	3.9	565
Penelop	3	6-8	305	14,296	3.6	513
Foxy	3	5-1	305	14,542	3.8	558
Mice	3	5-5	305	15,513	3.8	592
Paul R King						
MPebles	3	3-9	305	15,723	4.6	729
Joy	3	3-1	305	18,473	3.4	620
Kingkng	3	2-5	305	14,180	4.2	600
Abekerk	3	2-6	305	18,898	3.9	736
Wayne B Mummert						
7	3	5-9	305	16,181	4.1	664

(Turn to Page E31)

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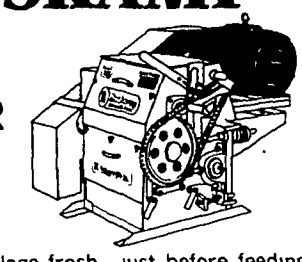

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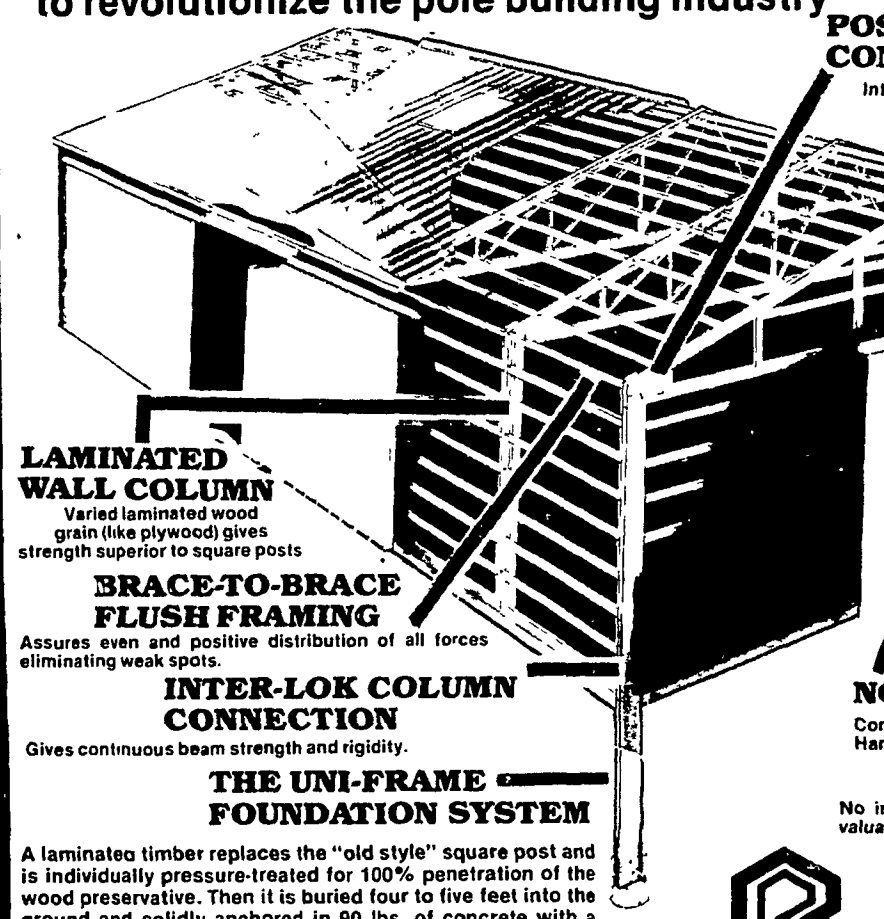

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Interlocks truss and wall column, eliminates knee bracing

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design loads certified by licensed engineers

FLUSH FRAMING
This means a bird nest-free building. New flush fit leaves no room for birds to enter. Eliminates dirt and prevents disease.

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Varied laminated wood grain (like plywood) gives strength superior to square posts

BRACE-TO-BRACE FLUSH FRAMING
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FFA

Floral program proposed

WASHINGTON, D.C. — The U.S. Department of Agriculture has recommended that producers and importers of flowers and plants be allowed to vote on whether to adopt a proposed national program of research, promotion and consumer education. for their commodities.

Charles Brader, a marketing official with USDA's Agricultural Marketing Service, said the recommendation is based on evidence presented at public hearings held last fall in Orlando, Fla., San Francisco, Calif., Fort Worth, Texas, and Washington, D.C. Written comments or exceptions to the recommended decisions may be submitted to USDA until Aug. 19.

The proposed program is authorized by the Floral Research and Consumer Information Act enacted in December 1981, Brader said.

If approved in a referendum, the order would be financed by assessments on specified flower and plant sales. All producers and importers whose annual sales of flowers and plants for interior use exceed $100,000 would pay an assessment. The rate would be one-half of one percent of the value of flowers and plants for the first two years, and not more than one and one-half percent thereafter. A producer or importer who did not wish to support the program could obtain a refund upon written request, Brader said.

The Floraboard, a 75-member group of flower and plant producers and importers, would be responsible for administration of the program. A majority of board members of each of three commodity groups — cut flowers, potted flowering plants and foliage plants — would have to be U.S. producers. The board would contract for research, promotion and consumer education after approval by the secretary of agriculture.

The recommended decision is scheduled to be published in the July 5 Federal Register, available at many public libraries. Written comments or exceptions may be sent to the Hearing Clerk, Room 1077-S, USDA, Washington, D.C. 20250.

Brader said USDA will consider all comments in making a final decision. If the decision favors issuing an order, eligible producers and importers will vote in a mail referendum. To become effective, the order would have to be approved by at least two-thirds of those voting in the referendum, or by a majority of those voting if they represent two-thirds of the total value of flowers and plants accounted for in the referendum.

Further information and registration forms for the possible referendum are available from Charles W. Porter, Fruit and Vegetable Division, Room 2545-S, AMS, USDA, Washington, D.C. 20250; phone (202) 447-2615.

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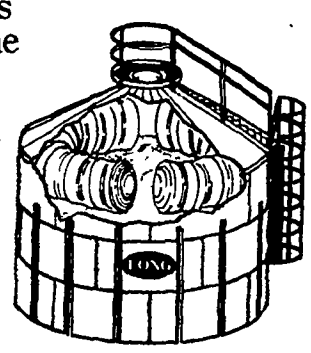

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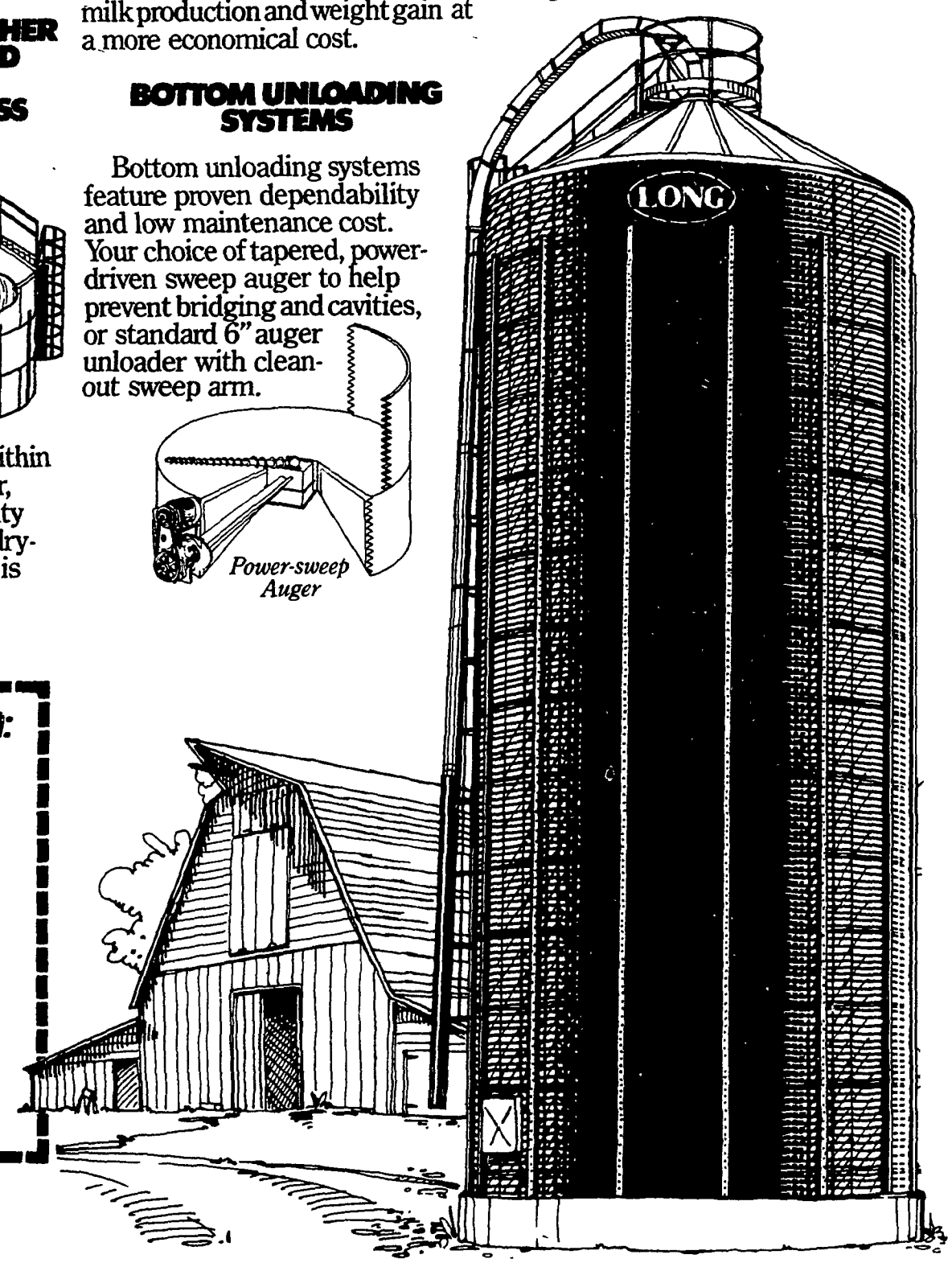

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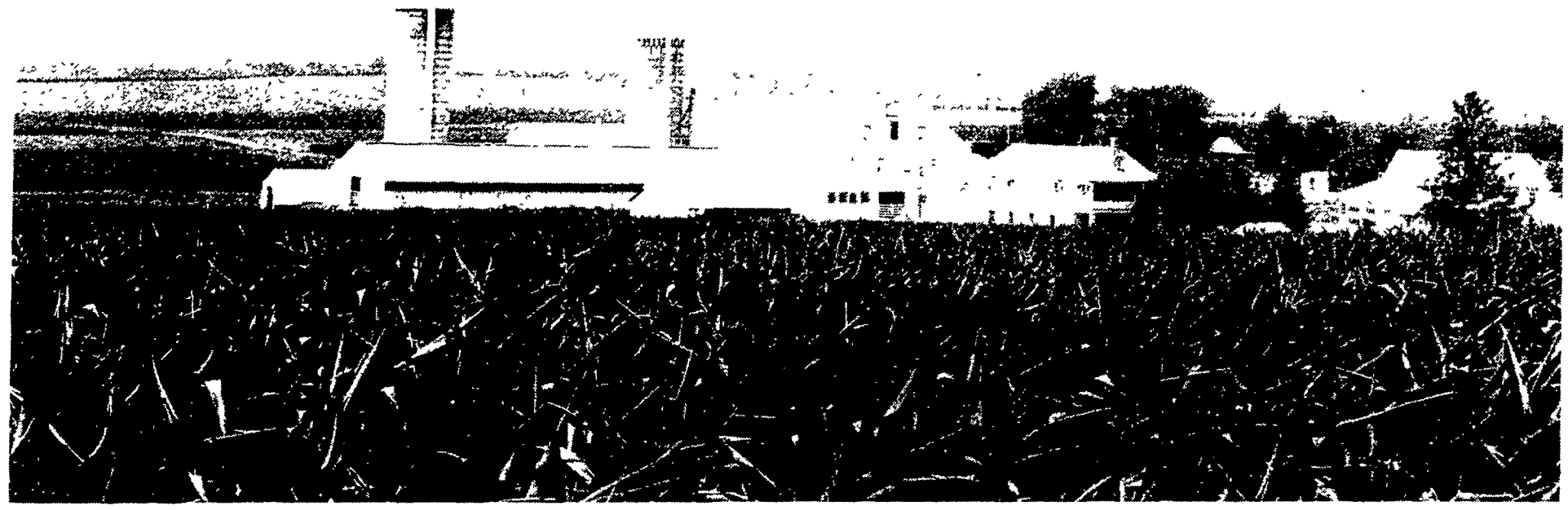

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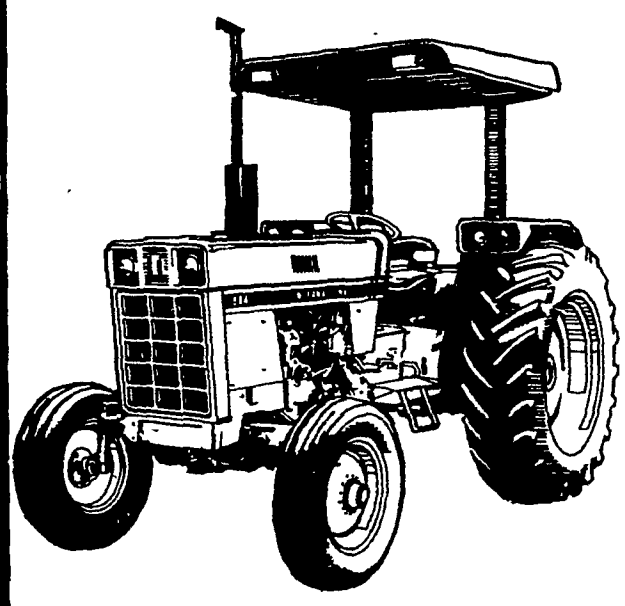

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N.W. REA holds meeting

CONNEAUT LAKE — Northwestern Rural Electric Cooperative Assoc., Inc. held its annual meeting on August 6 at Conneaut Lake Convention Center. Following the catered buffet breakfast, the 1100 members present heard reports from General Manager Harry Grube and Harold Hines, president of the board.

Numerous politicians were present including U.S. Congressman Tom Ridge who spoke of REA's growth since 1935. He said then " only one in ten farms was aided by electricity" and today 99% of rural America has electric service. State Senator Andrewzeski stressed that "REA works because you, the members, work and keep informed."

Following these introductions and comments, directors were elected from three of the ten districts. Incumbent Francis Surovick, an operating engineer and farmer from Albion was re-elected in District 1. Anne Sundeam, also an incumbent was elected from District 2 and William Morris, a retired farmer from District 4, was re-elected.

A highlight of the meeting was a presentation to General Manager Harry Grube of a new award. William F. Matson, Executive Vice President and Gen. Manager of Pa. REA, presented the Pa. Rural Electric Legislation Awareness Award to Grube.

Matson, guest speaker for the day mentioned that "co-op costs have to do with legislation" although this has only recently been realized. He pointed out that "one quarter of any co-ops time is spent on legislation information and education."

The information and fun day concluded with awarding of door prizes. Grand prizes were $50 to $200 credits toward members electric bills.-N.K.

Scrapie eradication revised

WASHINGTON, D.C. — U.S. Department of Agriculture veterinarians are tracing bloodlines to locate and destroy sheep that have been exposed to scrapie, a slow-acting but highly fatal disease of sheep and goats.

Dr. Jack R. Pitcher, a veterinarian with USDA's Animal and Plant Health Inspection Service, said animal health officials are concentrating scrapie eradication efforts on the destruction of bloodline-related animals under a new policy that went into effect in April.

"Previously, we destroyed the entire flock when an infected animal was found," Pitcher said. "However, we have re-evaluated this policy, since scrapie is transmitted primarily along bloodlines, especially from dam to offspring."

"Now, by concentrating on bloodline animals in outbreak situations, we eliminate the most dangerous animals," Pitcher said. "This lowers the number of animals slaughtered, reducing the overall cost of indemnities paid to owners to compensate them for their losses."

Bloodline sheep in two flocks where scrapie was confirmed early in the year have been destroyed. Action had been delayed until the new bloodline policy could be announced and implemented.

Eradication efforts are continuing in other flocks where scrapie-infected animals have been found.

Pitcher explained that under the bloodline policy, officials will require destruction of all first generation offspring of the scrapie-infected sheep. They also will order destruction of the infected animal's dam, the dam's first generation offspring, and the maternal granddam.

When an ewe is found to be infected, destruction also will include female progeny of ewes in succeeding generations.

Animals remaining in exposed flocks will be kept under surveillance for 42 months as a check against spread of the disease to unrelated animals.

Pitcher said officials are not always able to trace bloodlines, especially in grade flocks where no breed registration records are kept. In such cases, officials may order destruction of the entire flock, as was done under the previous eradication policy.

Scrapie is a slow-acting viral disease of sheep and goats that attacks the central nervous system. It has an extremely long incubation period, requiring 18 to 42 months or longer before clinical signs appear. It nearly always is fatal.

Clinical signs include poor condition, unsteady gait and rubbing or scratching to relieve intense itching.

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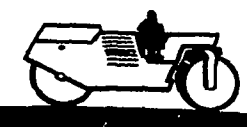

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Farming. It's a complex business. No surprise to you, of course. We only mention it because when it comes to getting a farm loan, we know you don't want to have to start at ground zero and explain the expenses of livestock, machinery, construction, mortgages and operating expenses to a novice loan officer.

Which is why we suggest you turn to Bob Badger, the head of our Agricultural Loan Division. Bob knows farming — inside out and upside down. He's been helping our community's farmers meet their business objectives for years. So when it comes to farm loans, he takes a very interesting point of view ... yours.

Next time you need to talk to a banker about financing your business, talk to the banker who understands your business ... Bob Badger at Bank of Lancaster County. Visit Bob at our Strasburg office or give him a call and ask him to visit you.

Bank of Lancaster County
Member F.D.I.C.
Agricultural Loan Division
Center Square, Strasburg
299-4306

RUFUS BRUBAKER REFRIGERATION
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Southern Service Center
R.D. 3, Dry Wells Rd. Quarryville, PA
717-786-1617

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★ Featuring...

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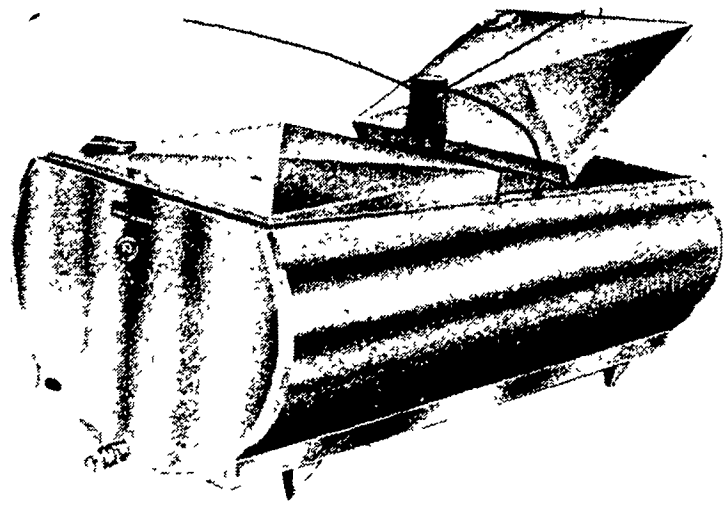
3. All Stainless Steel Construction
4. Mueller Temp Plate Cooling
5. Mueller Dependability



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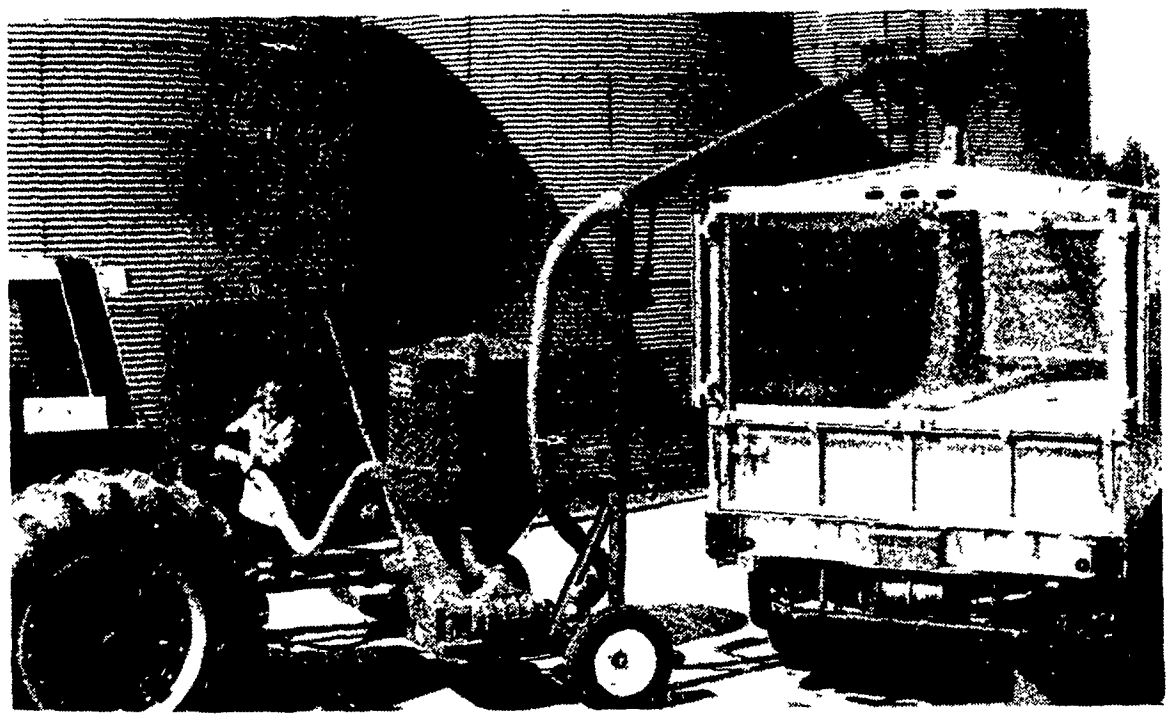
York Co. DHIA

(Continued from Page E26)

24	3	5-6	300	16,158	4.4	715
98	3	4-9	305	19,585	3.6	711
19	3	4-10	305	19,068	3.2	615
75	3	4-11	292	19,662	3 4	677
64	3	3-2	305	16,840	3.6	661
83	3	2-1	305	15,524	3 5	539
70	3	2 2	305	15,319	4 2	643
Desota&Robt Burchett						
95	3	6-5	305	14,941	3 8	575
1	3	4-7	305	14,316	4 0	568
48	3	4-2	305	15,980	4 1	653
80	3	4-7	305	14,713	3 7	543
105	3	3-3	305	13,801	3 7	510
124	3	3-2	305	15,611	4 1	638
41	3	2-5	305	13,366	4 2	559
28	3	2-5	305	17,168	3 5	603
103	3	2-10	305	16,204	4.4	708
115	3	2-5	305	14,442	3.9	560
52	3	2-11	305	14,395	4.1	592
D Fantom & E Gordon						
Button	5	0-0	305	12,941	4 1	529
Sparky	3	0-0	305	13,639	4 2	577
Lynn Wolf						
Flicka	3	6-9	289	17,543	3 7	642
Harriet	3	4-9	276	17,651	4.4	774
Judy	3	3-3	305	18,168	4 3	773
Libby	3	2-3	305	20,764	3 7	778
Kid	3	2-5	305	17,293	3 8	649
Ramsey S Cooper Jr						
Patcake	3	4-7	305	14,325	3 9	560
Francin	3	4-1	305	17,022	3 1	532
Robert J Reheard						
Rhoda	3	6-5	297	17,189	4 1	703
Sally	3	4-3	305	15,063	3.5	526
Beauty	3	5 2	305	14,277	3 9	561
Melvin R Lehr						
22	3	6-5	305	17,560	3 2	558
30	3	4-10	305	21,156	3 8	794
60	3	3-5	305	17,583	3 9	687
12	3	2 9	305	13,401	4 4	586
Horace E Heindel						
157-A	3	2 4	296	15,888	3 8	596
Elvin R Deiter						
Nancy	3	7-3	305	16,129	3 1	502
Pansy	3	5-6	305	17,744	3 8	682
Fred Kimmel						
Connie	3	3-5	305	15,834	3 4	546
John H Doll Jr						
Sandy	3	4-1	301	17,119	3 0	507
Charles Herr & Son						
Missy	3	6-5	305	15,937	3.5	563
Nellie	3	4-11	305	12,525	4 1	513
Wayne L Sweitzer						
90	3	9-0	305	17,840	3 0	541
Paula	3	3-3	272	14,587	3.8	561
Monique	3	2 3	262	13,228	3.9	511
7 Bev	3	3-4	305	16,041	3.6	581
Kenneth L Rexroth						
26	3	7-11	305	20,132	4 1	825
40	3	8 1	305	17,593	3 2	562
103A	3	5-4	305	16,490	3 5	583
63	3	3 0	305	14,397	3 7	526
77A	3	2 11	305	13,083	3 9	513
139	3	2-0	305	12,639	4.1	522
Donald Wilson						
23	3	4 11	305	15,907	4 0	632
Richard E Stough						
Sally	3	4-7	305	13,408	4 1	544
Rick L Cook						
Fanny	3	7-8	305	14,439	4 5	646
Flory	3	4-2	305	18,903	3 6	687
Fonda	3	3-1	305	18,344	4 1	757
Toots	3	1-11	282	13,946	3 6	502
Blend	3	2-0	279	16,323	3 7	605
Fury	3	2-0	289	15,058	3 3	502
Pixie	3	1-10	305	14,319	3 5	501
J Donnel Taylor						
Ann	3	5-2	305	17,158	3 6	621
June	3	5-5	300	16,042	3 7	586
Alice	3	4-1	276	14,400	3 6	518
Dot	3	0-0	283	17,742	3 3	581
Helen	3	3-11	293	17,404	3 5	606
Tracey	3	2-10	305	14,594	4 1	602
Flower	3	3-2	272	14,432	3 5	504
Becky	3	2-8	299	12,247	4 2	512
Bupplynn Farms Farm2						
Naomi	3	2-7	305	12,930	4 1	525
Joy	3	2-11	305	17,433	3 0	516
Elvin G Mollson						
7	3	5-11	305	16,431	4.0	651
14	3	5-9	295	15,717	3.3	518
130	3	3-11	305	15,598	3.5	541
136	3	3-1	305	19,453	2 9	566
99	3	3-5	305	15,287	4 0	611
134	3	3-4	305	13,982	3.8	527
83	3	4-0	305	19,476	3 8	744
Daryl L Bair						
Corinne	3	6-2	305	17,239	3 5	604
Lois	3	3-0	305	15,148	3 5	530
John D Adams						
108	3	7-7	305	18,193	4 0	732
13	3	3-2	267	15,746	3 3	513
33	3	2-5	275	14,141	3 6	506
Smokey Hollow Farm						
2	3	8-7	305	16,379	4 4	727
90	3	2-7	301	17,319	3 5	598
161	3	2 7	305	14,109	3 8	543
Honeycrest Fm						
Bertie	2	4 10	305	15,288	4 4	673
Mary	2	3-2	276	12,520	4 9	615
Towinke	2	1 10	305	10,798	4 9	524
Corie	2	2-6	305	15,371	3 6	556
4	2	0-0	305	13,162	4 0	533
Mervin W Hertzler						
Becky	2	4-11	305	13,206	4 6	611
Paige	2	1-11	305	12,231	4 6	564
Vivan	2	1-11	305	12,790	4 6	587
Betty	3	6-5	305	16,791	3 3	554
Supreme	3	6-4	305	20,603	3 1	629
B Robert Charles						
Blossom	3	7-2	305	19,714	3 6	715
Candy	3	6-2	250	18,693	3 0	567
Girlie	3	2-1	305	13 354	3 9	526
Gazelle	3	2-2	305	16,246	4 1	661
Gwen	3	2 2	305	16,292	4 0	656
Gala	3	2-2	305	14,496	3 7	542
R & M Farms						
27	3	5-4	305	11,462	4 4	508
33	3	4-2	305	15,927	4 2	663
Laverne&Judith Hess						
18	3	5-5	305	15,698	3 4	534
Edwin L Calhoun						
Cocoa	3	2-1	305	15,710	3 6	571
Connie	3	2 1	271	16,436	3 4	554
Robert W Mays						
16	3	5-6	292	14,814	4 2	625
32	3	5-4	287	15,738	3 2	509
48	3	2 0	305	17,926	2 9	515
353	3	5-1	292	16,005	3 6	571
93	3	4-10	304	20,690	3 1	636
111	3	7-0	293	16,712	3 8	629
134	3	2-2	305	16,233	3 2	527
Dale L Barshinger						
120	3	2-5	305	16,185	3 3	527
Albert Neufeld						
128	3	7 10	305	16,985	3 2	545
56	3	3-2	305	15,940	3 7	587
85	3	5-10	305	18,065	3 5	636
155	3	3-0	305	18,086	3 2	574
124	3	3-8	305	16,691	3 3	554
158	3	2-5	305	13,675	4 1	561
Robt Baumgardner Jr						
39	3	6-10	305	16,518	3 4	560
Becky	3	3 3	293	14,280	4.4	631
Jenny	3	0-0	293	16,546	3 8	628
67	3	2-10	305	15,543	3 5	551
62	3	2-2	297	13,792	4 0	554
Big T Holsteins						
Carol	3	8 5	305	20,382	3 8	772
Star	3	3-1	305	19,958	3 2	636
Champy	3	2-2	305	14,632	3 8	554
Jacob Brubaker						
53	3	6-1	305	15,760	3 4	532
64	3	3-10	283	16,043	4 0	641
44	3	2-1	305	13,960	3.6	507
201	3	3-10	305	14,032	4 1	573
John C Krone						
Gem	3	5-3	305	14,479	3 7	530
Vickie	3	3-2	305	15,107	3 6	550
Walkers Farm						
108	3	8 10	305	21,206	3 5	748
213	3	5-11	296	16,008	3 4	547
58	3	6-10	297	15,839	3 8	609
7	3	6 3	305	15,980	3 5	554
16	3	3 4	305	19,589	3 1	603
320	3	6 10	305	17,529	3 3	573
290	3	2 18	305	15,368	3 8	579
Leland Stanford						
1	3	6 10	305	15,059	4 0	599
155	3	10-10	305	18,105	3 5	630
69	3	4-11	289	17,046	3 7	634
18	3	3-0	305	16,190	3 3	533
Lydia	3	2-9	297	12,867	4 2	542
29	3	1-8	305	13,576	4 2	573
27	3	2-9	296	12,953	3 9	509

(Turn to Page E32)

WALINGA "510" PNEUMATIC TRANSFER UNIT FOR GRAIN & FEED HANDLING



- Transfer From Your Storage Bins or Silos Into Trucks or Trailers
- Transfer From Rail Car Into Your Trucks
- Transfer Direct From Truck or Trailer Into Your Bins And Silos
- For Bin or Silo Clean-Out, Easy To Handle 4-Inch Diameter Flex Metal, Rubber or Plastic Hose Allows Easy Access to Hard To Reach Places.

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Name _____
Address _____
Town _____ State _____
Zip _____ Phone _____

York Co. DHIA

(Continued from Page E31)

Perrydell Farms						
129	3	5 11	269	16,714	3 2	527
37	3	4-2	305	14,974	3 7	561
11	3	3-11	290	15,221	3 5	536
27	3	3-4	280	18,823	3 2	600
151	3	1-10	305	16,397	3 3	535
William Cruck Jr						
32	3	6-11	305	19,425	3 2	617
62	3	6-10	305	16,622	3 0	498
David Stewart						
Piper 5	3	5-9	305	13,919	4 0	552
Doria	3	5-1	305	16,206	3 5	565
Deloria	3	4-6	305	15,757	3 3	521
Flan	3	3-10	305	22,620	3 3	740
Cher	3	3-3	305	14,099	3 7	515
Bli-Y-2	3	1-11	302	16,391	3 6	597
Bosie	3	1 10	305	13,917	3 9	539
Richard Staner						
Rozanna	2	3-1	305	10,503	5 0	528
Dilly	2	6 7	305	13,075	4 5	590
Marobin	2	6-11	298	9,693	5 2	507
Walnut Hill Farm						
Star	3	2 1	305	14,608	3 5	513
Dee	3	0-0	304	15,541	3 3	519
Farm Meadow Holstein						
39	3	6-6	305	19,085	3 4	644
72	3	6-5	305	21,341	2 8	608
107	3	5-3	280	14,611	3 5	515
108	3	5-2	297	15,139	4 2	635
132	3	4-0	305	19,233	4 0	775
50	3	3-11	305	16,392	4 1	677
8	3	2-10	305	13,936	3 9	543
My-T Farms						
1	3	6-10	300	13,553	4 4	597
25	3	6 10	305	13,886	4 0	555
Double D Farm						
D-79	3	8 10	305	16,731	3 4	576
D-147	3	5-7	259	17,589	3 3	586
D-161	3	2-9	291	16,014	3 3	529
186	3	0-0	300	14,185	3 5	503
Deal Holsteins Farm						
61	3	5-2	297	12,893	4 3	553
104	3	4-3	305	14,147	3 9	547
217	3	6 1	299	13,576	3 9	534
56	3	5 11	305	15,302	4 1	627
175	3	6-10	305	14,578	3 9	564
150	3	2 8	305	15,020	4 1	622
Barrens View Fm						
Madilyn	3	4-0	305	13,820	4 7	645
Queen	3	4-0	285	13,827	3 6	500
Eunice	3	2-6	305	12,650	4 1	519
Cool Branch Farm						
Lily	3	4-2	293	16,790	3 6	610
Doris	3	4-4	284	13,735	4 0	554
Mildred	3	5-4	305	17,703	3 9	695
Bertha	3	5-10	301	14,071	4 1	574
April	3	4-10	305	14,056	4 3	601
Lonnie Robinson						
15	3	6-0	211	15,650	4 2	656
Jerry L McCleary						
Sadie	3	6 10	305	12,635	4 0	507
James W Miller						
Sue 17	3	5 8	305	15,810	3 4	583
Gigi 20	3	4 4	293	15,709	4 1	637
Denis 27	3	3-6	305	13,245	3 9	517
Peale 38	3	4 5	305	14,922	3 8	573
46	8	0-0	305	13,377	3.8	512
Ruby 47	3	5 3	305	14,409	4.0	579
Rose 65	3	3 7	305	14,238	4 4	627
Joan 67	3	6 5	305	19,204	3 4	644
Lady 81	3	5 10	305	13,511	3 7	504
Iris 82	3	3-6	305	12,392	4 1	507
Keith A Shaffer						
Sarah	3	11-6	292	14,860	4 4	648
Night	3	5-3	292	14,160	4 1	575
Darlene	3	5-4	305	16,553	3 9	643
George F Innerst						
56	3	3 10	296	14,089	3 7	523
18	3	5 3	305	16,760	3.2	542
40	3	2-9	294	18,714	3 4	638
49	3	5-0	267	15,588	3 8	590
42	3	7 10	275	15,827	3 6	567
82	3	3 1	305	14,162	4 0	572
33	3	6-5	305	13,122	4 1	539
26	3	5-8	305	15,713	3 5	547
55	3	8 1	305	18,832	4 2	795
17	3	2 4	305	12,957	4 2	545
95	3	2 1	305	14,683	3 4	503
93	3	1 10	305	12,012	4 2	509
81	3	1 11	305	14,533	3 7	536
9	3	1 11	305	16,012	3 3	524
13	3	2-4	305	15,659	3 4	535
19	3	3-4	276	14,920	3 7	547
Jim&Holly McCaffree						
Freaky	5	4-7	305	16,248	4 0	657
Irvin R Martin						
Ann	2	2 2	305	10,746	4 9	531
Newbury Farm D Shenk						
3	3	6 10	305	14,631	3 8	557
7	3	6 10	302	18,444	3.9	715
14	3	7 10	305	18,346	3 6	657
36	3	5 11	262	14,213	3 5	502
William Myers						
Beauty	3	6-1	305	16,568	3.3	548
Lois	3	2-9	281	15,038	3.5	528
Dan & Patti Hushon						
Joan	3	3-4	305	14,562	3.8	555
Mc Ral Dairy Farm						
406	3	7-0	305	21,793	2.9	641
437	3	6-9	243	18,725	3.8	711
466	3	5-5	305	18,545	3.2	599
470	3	5-2	305	17,503	4.3	760
473	3	5-2	305	16,477	4.2	696
123	3	3-11	305	12,711	4.5	574
126	3	4-0	305	18,210	3 3	598
127	3	4-3	286	14,692	4.0	593
138	3	4-0	305	20,076	3 2	636
139	3	3-11	305	16,671	3 6	607
157	3	3-10	305	20,226	3 6	736
Dputy 71	3	2-0	305	15,487	3 2	500
Dputy 72	3	2-6	305	16,903	4 5	766
Dool	3	2 0	305	14,593	3 5	518
William Ruppert						
Fanny	3	5 1	305	19,274	3 2	614
Gay	3	4 1	305	17,324	3 1	543
Netty	3	5-5	277	13,051	4 3	564
Laura	3	9 11	239	14,856	3 6	528
Eisenhart Bros						
281	3	4 4	305	14,410	3.6	525
289	3	4-1	305	15,859	3.8	597
311	3	3-5	305	13,987	3 7	518
Wayne E Myers						
Susie	3	12 2	305	18,520	3 6	672

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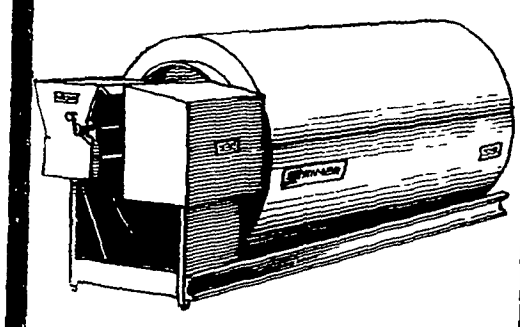
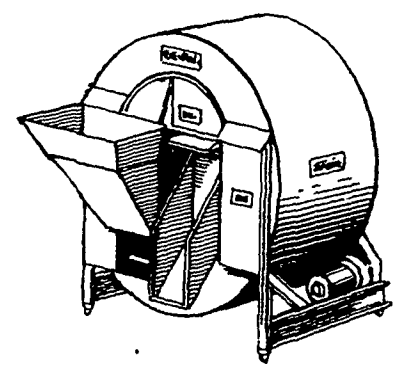
STATIONARY MIXER



- Lower Power Requirements
- Tumbling Action Eliminates High Resistance
- Fast 1 - 3 Minute Mix Time
- Sizes: 133, 216, 324 cu. ft.

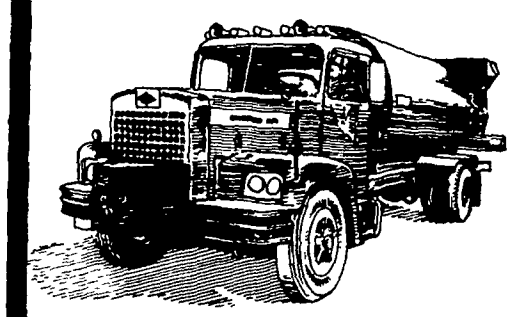
MINI-MIXER



- Design Simplicity
- Fewer Moving Parts
- Rugged Construction
- Affordable For Any Size Farm
- Sizes: 45, 120, 180 cu. ft.

VISIT THE STEINER EQUIPMENT DISPLAY AT AG PROGRESS DAYS - AUG. 23, 24, 25 LOC: WEST 9th ST.

TRUCK MOUNTED



All The Advantages Of A
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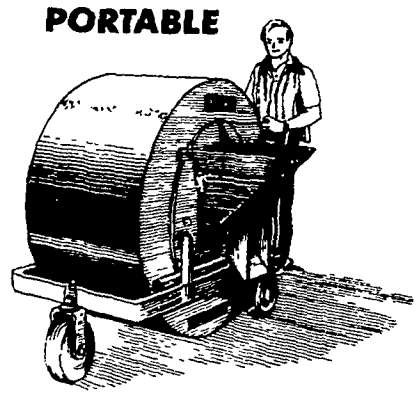
In A Truck Mounted Unit
In Sizes:
165, 216, 270, 324, 400, 500 & 600 cu. ft.

PORTABLE



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STEINER MINI-MIX
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Available Size: 45 cu. ft.

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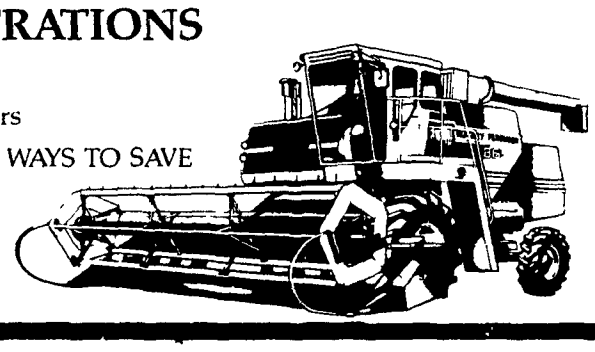

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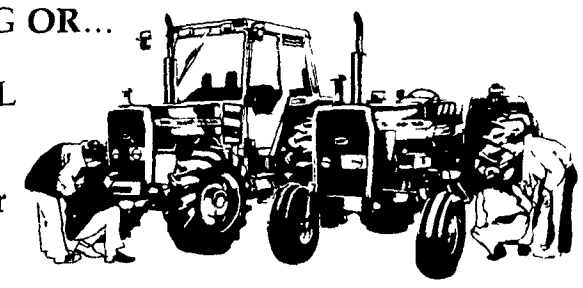

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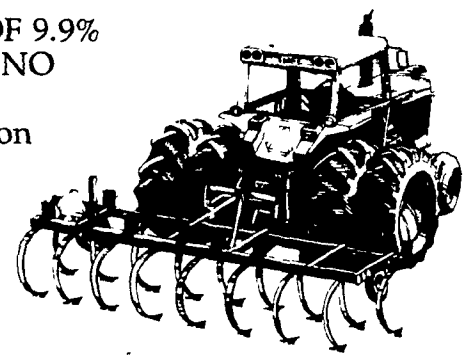

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Lancaster County farm families host English visitors

MANHEIM — A Lititz and a Manheim family are acquiring a foreign perspective of Lancaster County farming while English visitors tour local farm operations.

"Everything is so vast," Mrs. Margaret Pauley exclaimed while viewing chicken and pig operations. "In England things are on a much smaller scale."

Mrs. Eileen Groff, Manheim, and her parents, Mr. and Mrs. Dale Landis, Lititz, are providing three weeks of sightseeing for Mrs. Pauley and her son, Nickolas, and her grandparents, Mr. and Mrs. Albert Pauley.

Mrs. Groff began corresponding with Mrs. Pauley twenty-four years ago when both were eight-year-old girls. They never dreamed that they would meet someday. But 14 years ago, Mrs. Pauley visited the U.S. for the first time. She loved it so much; so vowed she would return someday.

Sharing a ride are Nickolas Pauley and Douglas Grogg.

Lancaster County hosts and English visitors include, from left, Mrs. Dale Landis, Mr. and Mrs. Albert Pauley, Mrs. Margaret Pauley, Eileen Groff and Douglas Groff and Nickolas Pauley.

Although sleeping quarters are provided by the Groff family, meals are served by the Landis family. Mrs. Landis, a reputable cook provides a variety of Lancaster County specialties which were unfamiliar to the Pauley's.

"The food is delicious," the visitors say. Previously, Mrs. Landis sent the Pauley's a cookbook as a Christmas present. "But I couldn't use it," Mrs. Pauley explained. "In England, measurements by weight, not cups and tablespoons," But the Pauley's purchased measuring cups and spoons while here. "We are eager to experiment with Lancaster County cooking when we return," Mrs. Pauley said.

The pen pals insist they have no special formula to enhance letter writing friendships. "Over the years, we simply shared the things that interest us; we have a lot in common." Mrs. Groff said. One of their mutual interests is both have seven-year-old sons.

Their children mostly enjoy romping over the Landis's forty-four acre horse farm. Cultural differences are no barrier to them as the admire the 22 horses the Landis's board. Nickolas proudly sports a pair of athletic socks and sneakers just like his American friend.

"In England, boys don't wear

(Turn to Page E36)

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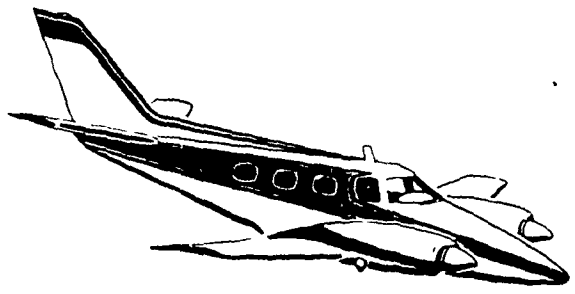

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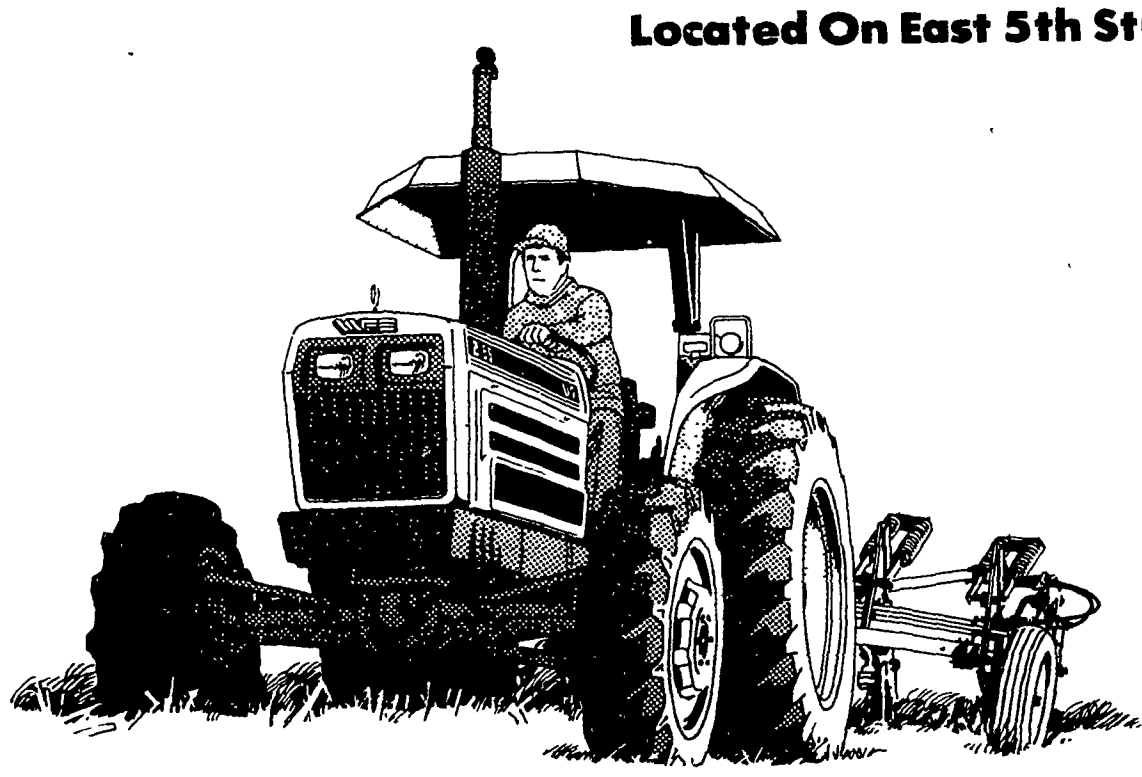

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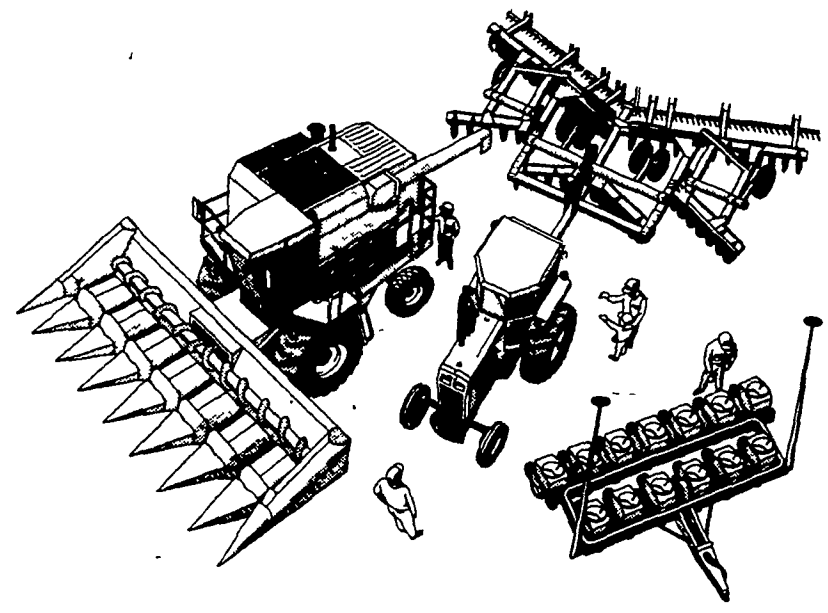

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English visitors

(Continued from Page E34)

those type of socks." Mrs. Pauley commented. In fact, public schools reqire school uniforms of gray suits, shirts, and red ties. England has school year around except for a six-week summer break.

Saving for the trip was no sacrifice Mrs. Pauley insists because "it is worth everything. It is what we wanted more than anything else."

"I wanted to take this trio while I could." Mrs. Pauley explained ruefully as she held up her walking cane. For the last ten years she has suffered from muscular dystophy. "But why should I be miserable and complain?" she asks. "I can do most anything I want," she added with the cheerful finality that is so typical of her character.

America is a lot like the Pauley's expected except, "it is so hot." Mrs. Pauley said of the heat wave that has blanketed the area.

The Landis's enjoy sharing their farm with others who appreciate it. They spend many hours comparing different forms of expressions between the two countries. "In England, 'come for tea' really means come for the evening meal, not a cup of tea." Mrs. Pauley explained. "And we call a car windshield a windscreen." When Nickolas asks his American friends for a cookie, Douglas eyes him strangly until his mother explains that in England cookies are called biscuits.

Besides visiting many local attractions the Pauleys have visited Hershey Park, LongWood Gardens and Washington D.C. "It's a smashing holiday," Mrs. Pauley claimed when referring to their three week visit. In England the word holiday replaces our word for vacation.

The Groff's and the Landis's hope to visit England someday but in the meanwhile they will revert to more letter writing and phone calls.

Foliar urea improves corn yields

NEWARK, Del. — Field research at the Delaware Agricultural Experiment Station at Newark may lead to an effective way to apply nitrogen when irrigated corn needs it most. Agronomist Merle Teel and his student assistant Robert Turnbull acheived significant yield increases by spraying corn with urea solution as it approached the reproductive stage of growth.

Despite all the nitrogen growers apply, it is still the chief yield-limiting factor for irrigated corn, the scientist explains. The problem is, rainfall and irrigation can move some of the nitrogen beyond the rooting depth of corn seedlings.

Because of this risk, many growers spread only one-third to one-half of the required nitrogen prior to planting, and side-dress the rest later in the season. But wet soils often prevent late side-dressing. Further, nitrogen applied through an irrigation system may move into waterlogged soils where it becomes lost through leaching or denitrification. Therefore, in July, 1982, the scientist and student decided to test another method of applying nitrogen at the period of peak demand.

They misted corn at early tasseling and again at the full-silk stage with a solution made by dissovling 5.5 gallons of granular urea in a gallon of hot water. With each misting they applied 5 gallons of solution per acre, totalling 16.5 pounds of nitrogen per acre. Leaf margins turned white within four days, but the damage was minimal and not considered a serious threat.

Teel had no reason to expect a yield increase, because the corn had been fertilized when 4 inches tall with 150 pounds of N in the form of ammonium nitrate, and the crop followed soybeans. The foliar nitrogen spray was tested at a wide range of plant densities, ranging from 9,600 to 25,000 plants per acre.

In seven of the 14 comparisons, yields were greater with foliar urea even with lower plant populations. If the urea were of no benefit, the untreated rows should have outyieled the misted rows by 18 bushels per acre due to a higher plant density. But in actuality there was only a 5.5-bushel difference. In five cases, yields of the misted corn were equal or greater, with a population disadvantage ranging between 1,200 and 2,700 plants per acre.

When yields were compared on the basis of bushels of grain per 1,000 plants (an index of crop efficiency), urea had a marked effect in 10 of the 14 comparisons. At 20,000 plants per acre, foliar urea increased yields from 165 to 179.8 bushels per acre. This 14.8-bushel benefit was realized by adding only 16.5 pounds of N. Such a degree of nitrogen use efficiency is seldom realized.

Teel and Turnball found a direct relationship between plant population densities and yields on irrigated corn, providing there was sufficient nitrogen. To ensure high yields under irrigation, then, a grower should go for high plant population densities and make sure there is enough nitrogen at the period of peak demand, around the time of tassel emergence. In this study, a foliar spray of urea at that time clearly contributed to increased ear size.

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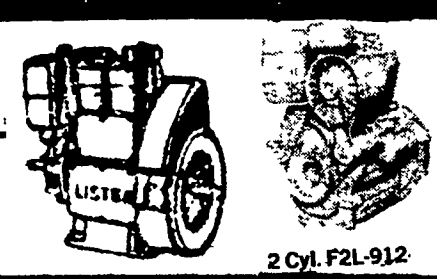

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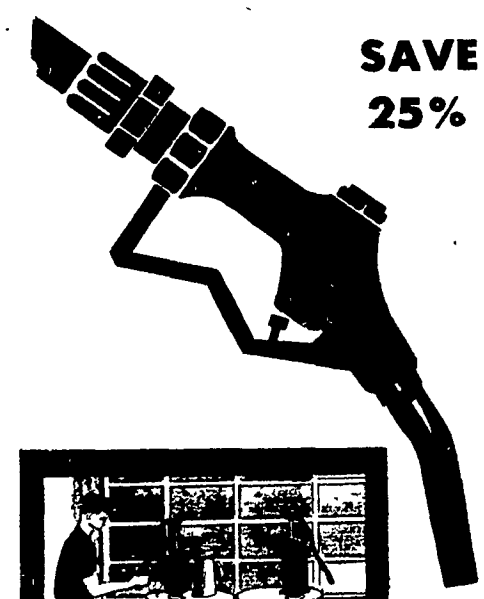

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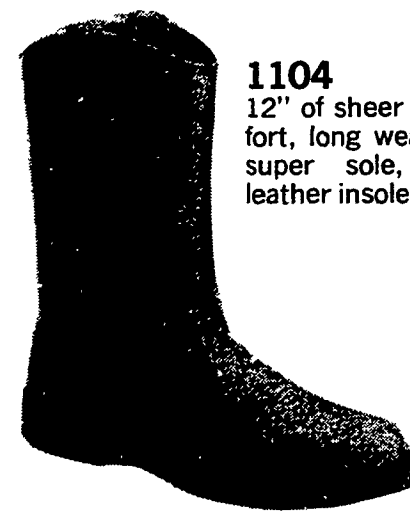

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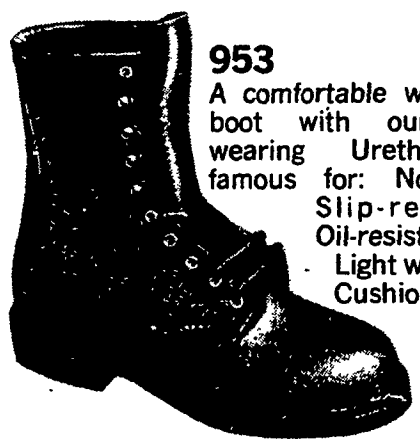

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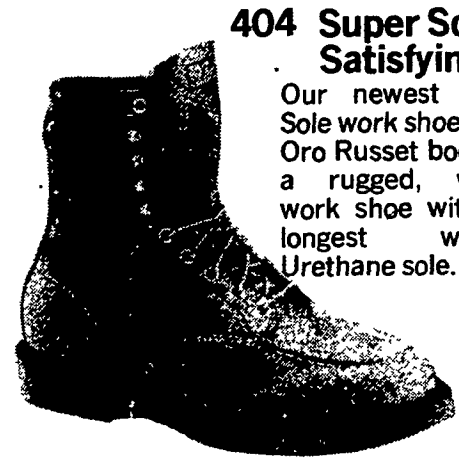

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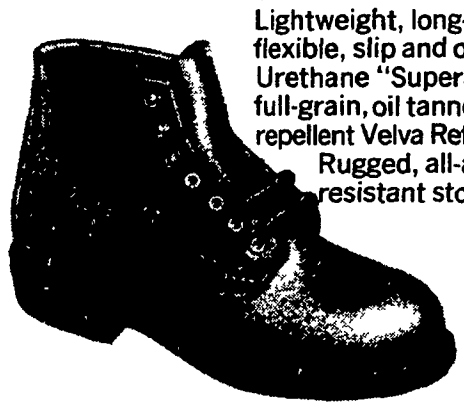

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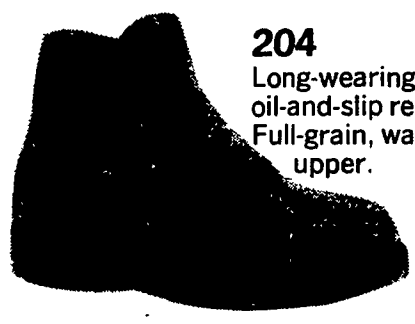

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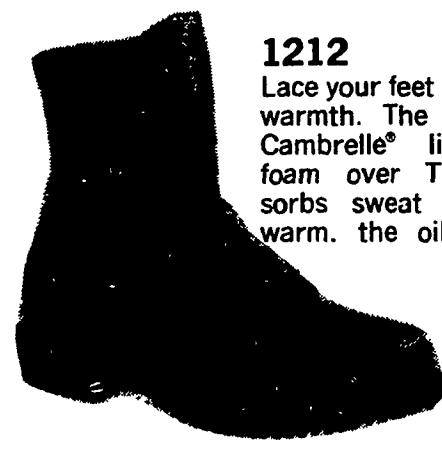

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SNF important to dairyman & consumer

DE FOREST, Wisc. — If you're already a milk lover, you're going to be liking it even better in the future. And if you're among those who have been only lukewarm toward a cold glass of milk, you'll likely warm up to some of the ways milk flavor is being enhanced.

Flavor enhancement is pouring forth from three different directions—legislation, technology and consumer-handling tips.

Federal regulation changes are being considered which would heighten the taste of fluid milk—but boost its nutrition at the same time—through an increase in the solids-not-fat (SNF) content.

SNF is primarily protein and minerals.

Research at the University of Arizona has shown that the addition of SNF to whole, lowfat or skim milk creates an increase in consumer acceptance.

New legislation

If the federal government fails to pass the revised regulations, several states may do so independently. The suggested legislation at both federal and state levels is patterned after California law. Milk consumption in that state has increased significantly since 1971 when it instituted new standards.

Gordon Ropp, a member of the Illinois House of Representatives, and a dairy farmer, is sponsoring a California-type bill in his state. It, like the federal regulations being considered, would increase the SNF from 8.25 percent to 8.75 in whole milk; from 8.25 percent to 10 percent in 2 percent lowfat milk; and from 8.25 percent to 9.0 percent in nonfat milk. Whole milk and 2 percent milk would then be 12 percent total solids, while nonfat milk would become 9.25 percent total solids.

Nutritionally, there would be a 27 percent increase in iron and a 21 percent rise in both protein and calcium in lowfat milk. For whole milk, protein and iron would be 9 percent higher and calcium up 8 percent.

"The higher SNF would improve taste, increase nutrients and raise consumption," Ropp explains. "If the revised regulations were put into effect at the federal level, increased national consumption would lower government costs for storage."

From 1971 to 1980, California sales of lowfat milk reportedly increased 10 percent, versus 3 percent nationally. Skim milk sales jumped 6.5 percent, in contrast to 2 percent for the rest of the country.

Although whole milk consumption dropped during that period, it was less (23 percent versus 30 percent) than nationally.

Dairy industry observers attribute California's success to higher SNF standards and resulting better taste.

It's estimated that the higher SNF levels would add only slightly to the price of milk. It would be 1-1.25 cents per gallon on whole milk, 10-11 cents per gallon on lowfat milk and 1-1.5 cents for nonfat.

On the negative side, the increased cost of adding solids to milk could put pressure on some processors. Also, the higher standards could be difficult to enforce without expensive monitoring procedures.

New genetics

Approximately 65 percent of the dairy cows in the United States are bred artificially today and several of the breeding services include protein and SNF information on their bulls. Some bulls have a higher genetic factor for this than do others and they pass that to their daughters.

"Protein testing for bulls is catching on," says Robert Walton, president of American Breeders Service, the largest U.S. breeding firm. "We now have already 50 percent of our bulls rated for protein and/or SNF. Higher SNF is something everybody should support."

Walton reports that Europe and other overseas areas have long shown interest in a higher SNF content for milk.

"We're convinced that milk will be much more competitive with soft drinks and other beverages once the public has a product which is consistently richer in taste," he predicts.

New products

For those who want variety in their milk, lowfat flavors of chocolate, strawberry, banana, fruit punch and vanilla are now being sold in the Southeast. The beverages—developed and promoted by Dairymen, an 8,000-member milk marketing cooperative headquartered at Louisville, Kentucky—are called Sip Ups. They are ultra-high temperature (UHT) milk products which need no refrigeration until opened. Thus, they can be stored for months on store shelves or in vending machines.

The Sip Ups, which come in half-pint sizes with a built-in straw, pack the same nutritional value as regular milk. They are sold in three-packs.

While consumers await the outcome of legislation to increase SNF in regular milk and look forward to tasting the new lowfat flavored milks, there are several things they can do to maintain optimum taste in the milk they buy today. Here are tips from Sidney Bernard, professor of food science at Pennsylvania State University.

"Purchase milk twice a week to maintain freshness, take it directly home and cover it during the trip, keep it refrigerated below 45 degrees F, and return it to the refrigerator soon after it is poured," he recommends. "Milk that is unduly exposed to light picks up an unpleasant taste. However, it does not become spoiled."

In essence, says Bernard, keep it cold, covered and in the dark.

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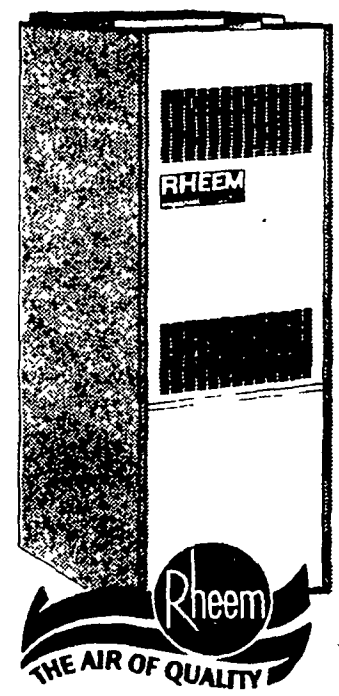

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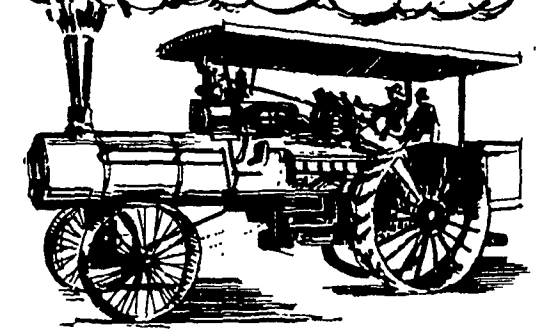

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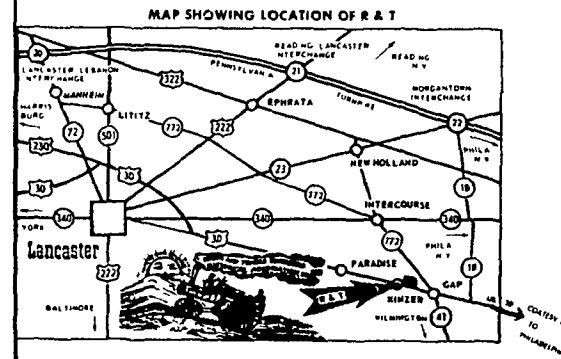

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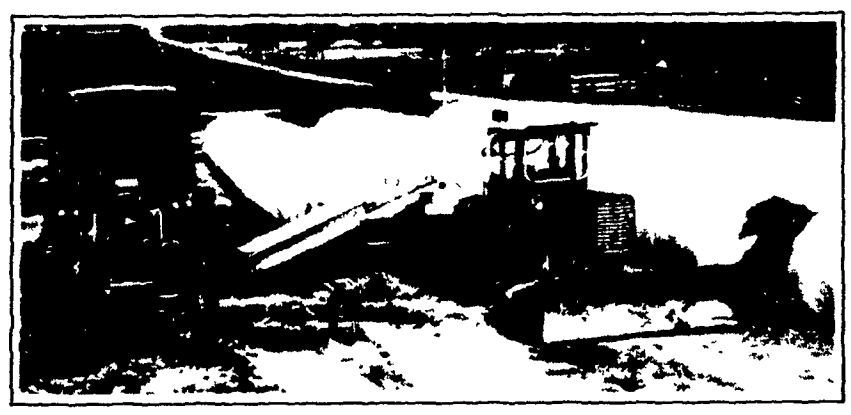

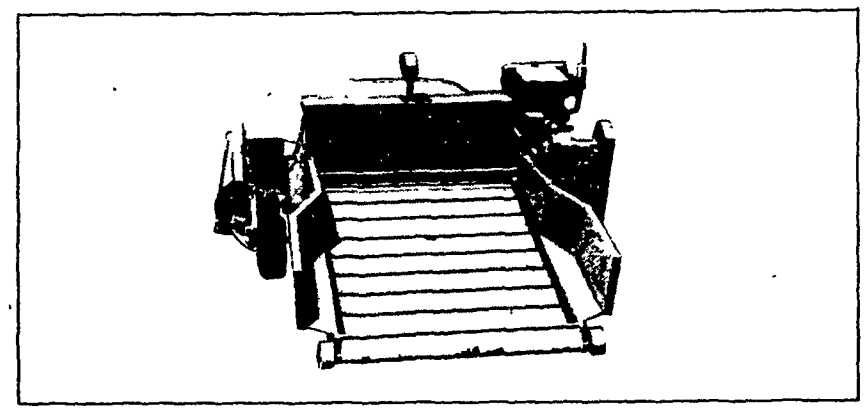

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Kenneth Popham of Floresville, Texas

Kenneth runs a 465 cow Dairy and said this about AG-BAG: "At today's interest rates you can't afford any other type of storage... Even with the yearly cost of bags it's still inexpensive storage... a whole lot cheaper than building barns and hiring help. I put up 13 bags last year and after seeing the results, I'll put up 25 bags this year. The bags are a good thing."

Don Carter of Parkdale, Oregon

"The best move I ever made"... says Don Carter in reference to his switch to bagging silage on his dairy near Parkdale, Oregon.

"I get 18% more feed from the same acreage and the feed lasts three times as long. I used to clean my bunks after three days, now I only need to clean them after 10 days."

Roland Rasmussen of Blair, Nebraska

"In addition to everything else, it's a management tool"... says rancher, Roland Rasmussen of Blair, Nebraska.

Roland farms 350 acres west of Blair, Nebraska, and fattens about 650 cattle from 600 lbs. to finish.

"By labeling every bag as to date and kind of feed, I can mix my feeds and eliminate the guess work in making a ration. I feed alfalfa silage, corn silage and ground ear corn stored exclusively in the bags, purchasing only my minerals and vitamin supplements."

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Bert Anderson of Sceptre, Saskatchewan

"At least 30% more feed... I can guarantee at least that".. says rancher, Bert Anderson, of Sceptre, Saskatchewan.

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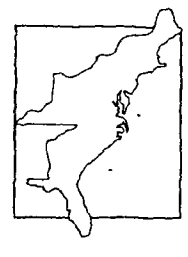

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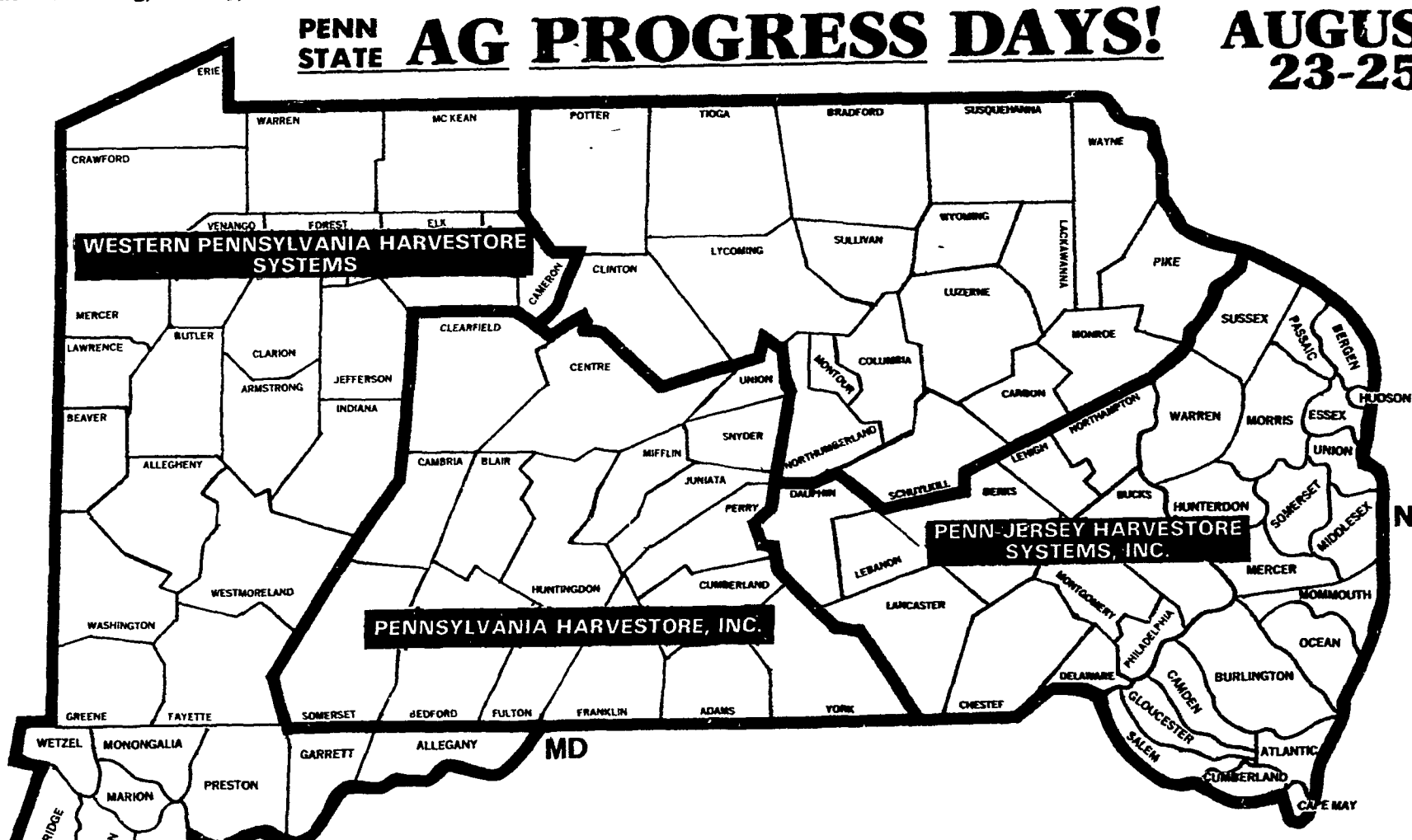

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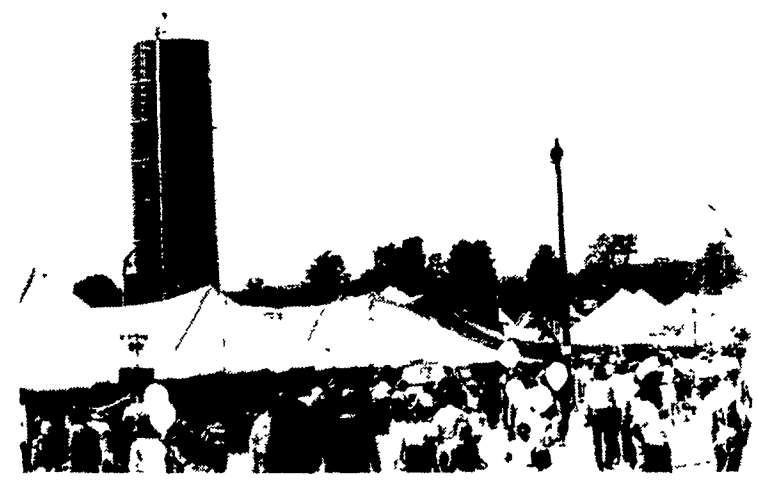

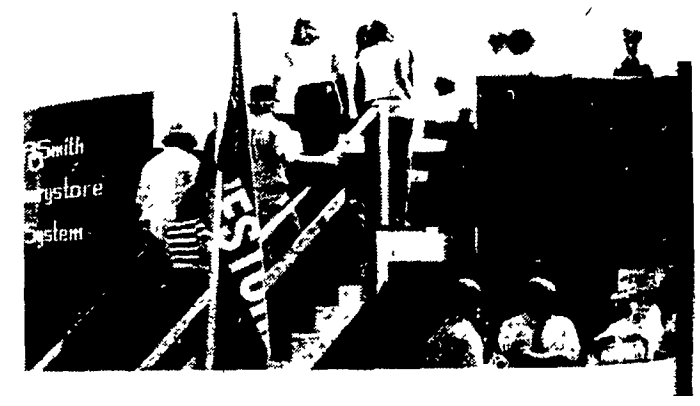

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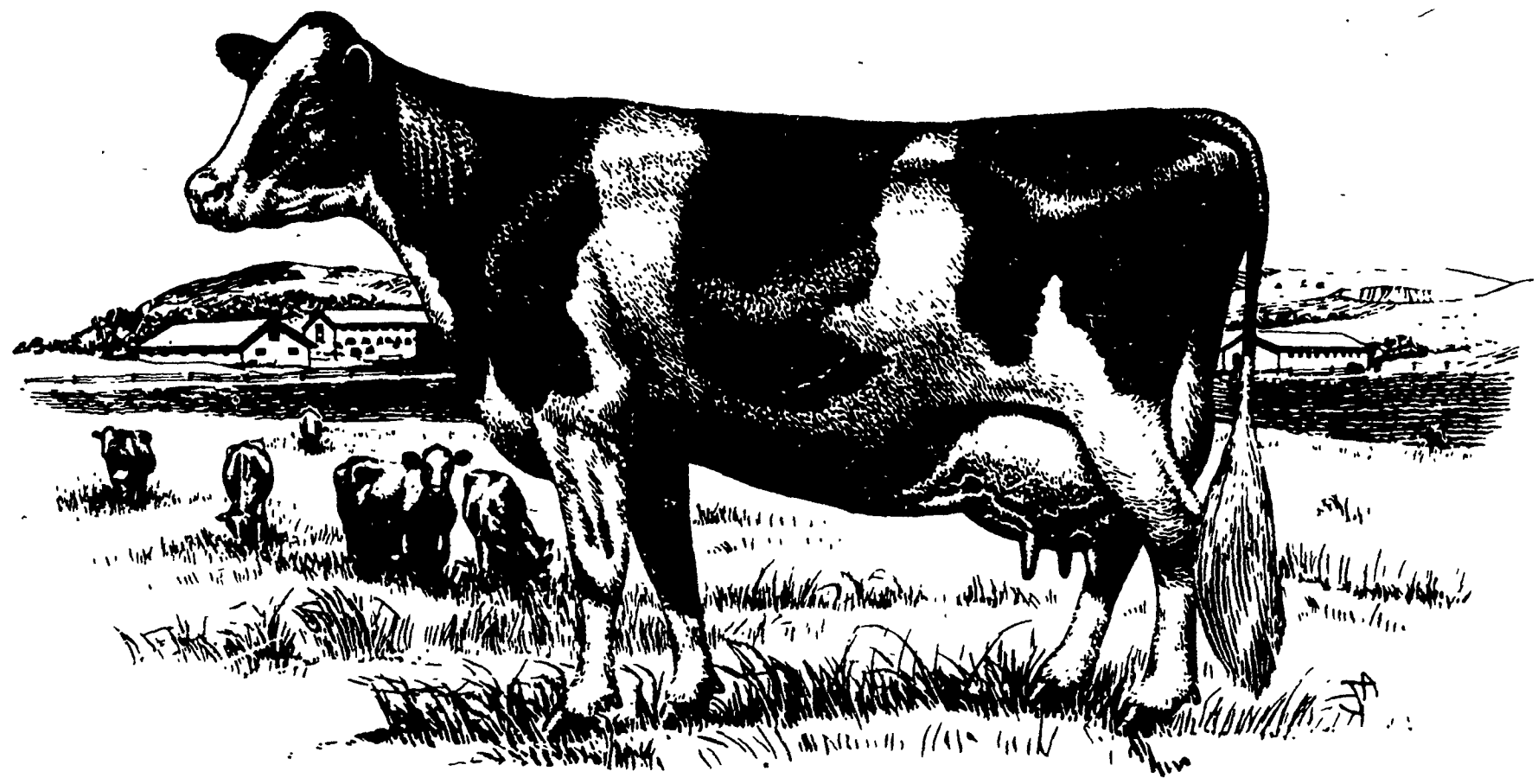

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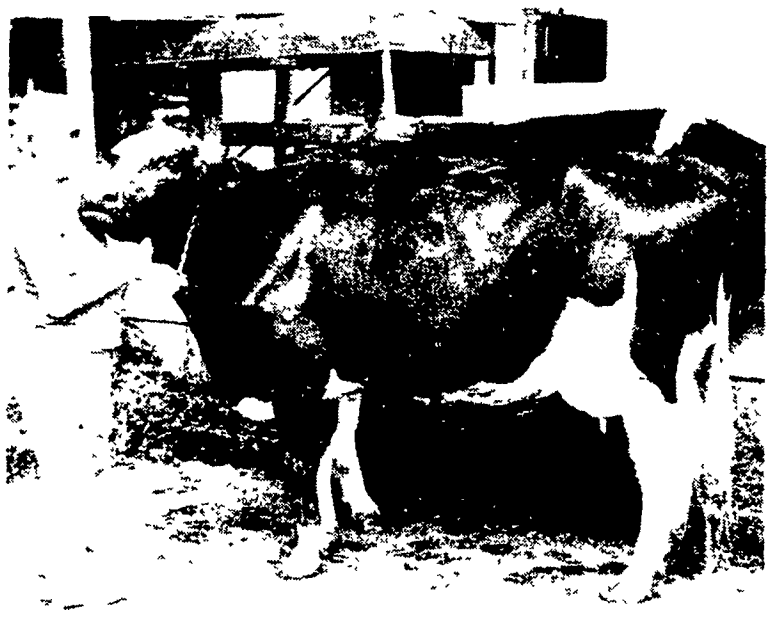


Jimmy Stonesifer with one of his top producers.

System stresses milk production persistency

MD. SUNSET VIEW FARM — Jimmy Stonesifer has always known feeding cows according to production will result in higher levels of milk production with a relatively lower feed cost.

He began by separating his herd into two production groups in his losse housing area and feeding for different levels of production. He would blend different levels of grain and forages together according to the groups and feed a total mix ration on the bunk. Both groups would receive the same amount of grian in the parlo. Stonesifer still felt he wasn't able to feed enough energy and protein to his cows at peak production, so he installed two magnetic feeders. The magnetic feeders solved that problem but created other problems which proved that system unsatisfactory.

"Cows were making hogs of themselves on grain and not consuming the proper amount of silage and hay," he said.

The chore of taking cows off the magnetic feeders was hard to manage — too soon would result in a sudden drop in production; too late would result in cows getting too fat.

The DAIRY-TRONIC II was installed in December of 1982 and it showed right away what the cows were consuming on the magnetic feeders.

"I had some cows eating 50 lbs. of grain a day through the magnetic feeders," he said.

"The DAIRY-TRONIC II allows me to feed my cows exactly what they need no matter what stage of lactation or what level of milk production. Holding cows back on some grain just after freshening so they consume more forages has avoided displacements. This wasn't a big problem in the herd, but the DAIRY-TRONIC II is a good way to prevent it from being a problem.

"Being able to challenge feed my heifers at the beginning of lactation was something I never was able to do before. The magnetic feeders were just too hard on them. "My biggest benefit right now is milk production persistency. I am drying cows off that have never been moved into the lower production group."

Mandy, who came fresh December 14, 1982 peaked at 123 lbs. of milk at a 4% test and at the end of the fifth month was still milking 105 lbs. Her last test in May had her at 92 lbs. Nora J, an 83 point Astronaut, produced 25,000 lbs. as a three year old and is milking 75 lbs. now in the ninth month. Cow #138 came fresh in November and tested only 69 lbs. the first month but her next 6 tests showed 100 lbs. in December; 96 lbs. in January; 100 lbs. in February; 102 lbs. in March, 90 lbs. in April and 85 lbs. in May. Stonesifer fat test has remained the same from month to month with the DAIRY-TRONIC II. In December it was 4.0% and April it was 3.95%. May has not been received as yet.

When asked if they were saving labor Stonesifer said, "not really. We're spending more time doing a better job of what we are feeding to each cow."

One feature with the feeding system that Stonesifer feels is extremely important is being able to vary the corn and protein to each cow.

He explained, "we had a 3-year-old, a Conductor Granddaughter, milking 99 lbs. at a 1.9 lbs. fat test. We lowered her grain allocation by 5 lbs. of corn and 2 lbs. of supplement. Her four month test came back at 94 lbs. of milk at a 3.2 % fat test. At 199 days in test, she is milking 80 lbs. and projected for 26,000 lbs. this lactation.

Stonesifer's DAIRY-TRONIC II came with a Cow Calendar that organizes and prints out cows according to their reproductive status. Gwen West, Stonesifer's herdsperson, manages the DAIRY-TRONIC II.

Gwen said, "the Cow Calendar gives me a much more thorough listing of cows, especially the 'heat check list.' The 'pregnancy check list' is a great labor saver. The organized list of cow numbers, service dates, and number of days since servicing, is a big help to our veterinarian when he is pregnancy checking. Drying cows off is done more accurately now because we can get this list every day as opposed to waiting for three weeks."

Gwen says she really enjoys "playing" with the DAIRY-TRONIC II. She now has the system set so it will tell her what cows are coming fresh by month, any month for the next year. Soon she will have the sires Stonesifer uses coded to each cow and will be able to get the print-out by the sire or shown on the individual cow print-out.

Stonesifer did look at other systems on the market. He felt the identification system the DAIRY-TRONIC II has is superior. However, he also feels good, local, dependable service is a key. Knowing North Glade Feed, his Farmtronix Dealer, is behind the system and committed to service, is a big plus for the Maryland Sunset View Dairy.

Shown between Master Mill panel and scale are, from the left, Myron Martin, sales manager for Automatic Farm Systems; Jonas Good, salesman for AFS; Aaron Nolt and son, Stanley.

Faster reactions with a Master Mill

BY DICK ANGLESTEIN

EPHRATA — The Aaron Nolt family, of R1 Ephrata, is honing its ag reaction time.

The sharpening of the Nolt reaction time for their 45,000-layer operation is being done with a Master Mill milling system, engineered and installed by Automatic Farm Systems, of Lebanon. The system was displayed at open house on the Nolt farm along Indiantown Road this week.

And, what are some of the reaction times that are being sharpened by the system? Here are just a few:

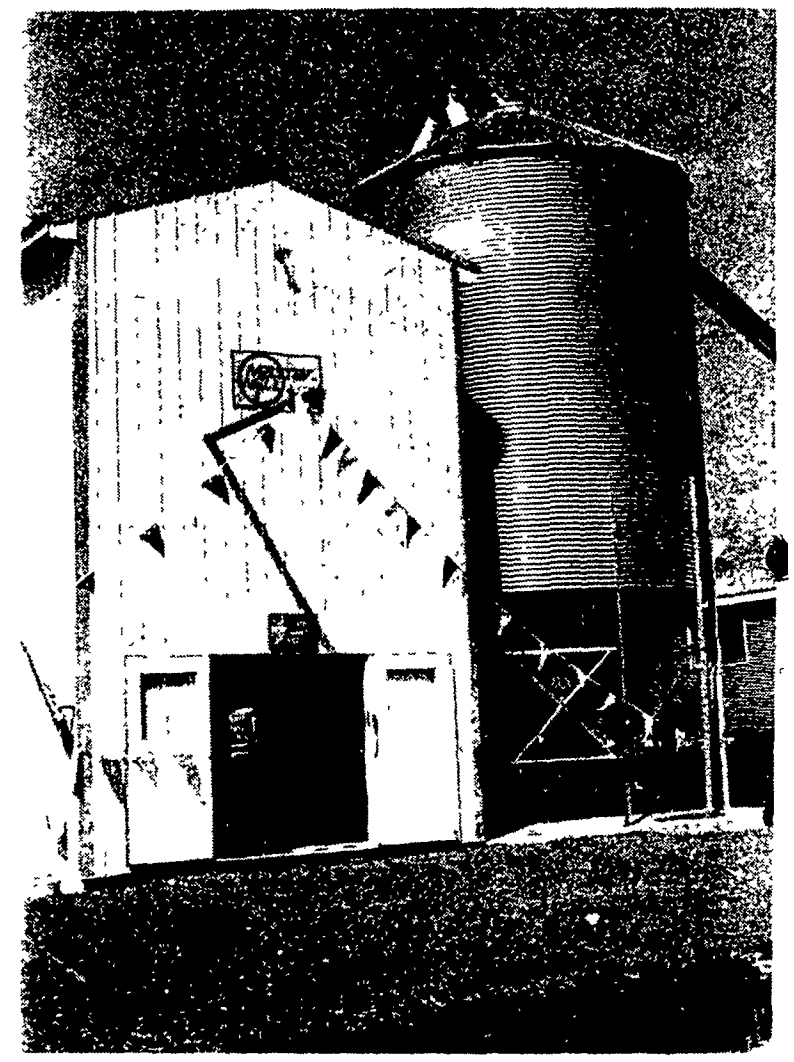
First, seesawing weather patterns alternating between hot and cool can cause a lot of stress on birds and materially affect production. Now, with their milling system to custom make feed daily, the Nolts can change their ration and prepare for approaching hot weather and lessen the stress on the birds and the effect on egg production.

Second, medications can be added to the feed much quicker, reducing the reaction time to possible problems.

Third, there is the better economic reaction. By milling and manufacturing their own feed, the Nolts can take advantage of the most favorable bulk pricing of ingredients.

In addition to these improved ag reactions, milling can be done at the convenience of the family, taking advantage of cheaper nighttime power rates.

Finally, every batch of feed is fresh and fed at the peak of its nutritional benefits.



Master mill building on Aaron Nolt farm, R1 Ephrata, is located next to new GSI bin.

All in all, feed costs are running about $11.00 to $15.00 a ton less after deducting the costs of milling. At 36 tons a week of use, this adds up to an appreciable savings.

The one-ton batch capacity farm-sized milling system on the Nolt farm is capable of making three tons an hour. It is capable of mixing up to nine ingredients and currently mills corn, soybean meal, Stevens Mill Mix, limestone, stone chips and the various medications that may be added from time to time.

The automatic system processes the feed to storage bins, which hold nine and 18 tons respectively for the two houses. One of the Nolt houses went into operation eight years ago and the other about four years ago.

An independent producer, Nolt ships to both E. K. Martin and Hess Foods.

Heifer implant study released

DES MOINES, Ia — Syntex Agribusiness has announced the release of their newest report on heifer performance and how it can be improved by using growth promoting implants,

Titled "Snovex-H Implants Designed Specifically for Heifers" this performance report is the 5th in a series of technical reports on various cattle feeding topics.

The report further talks about various heifer management programs and provides a case history of successful heifer feeders. It also talks about using feed additives with implanted heifers and addresses many of the challenges of feeding heifers.

Because of the recent increase in heifer feeding and heifer management programs, we felt there was a real need for more information on heifer performance," said Robert Botts, Ph.D., Nutritionist, Syntex Agribusiness, Inc.

"Heifer's rate of gain and feed efficiency can both be improved by using a growth promotant designed especially for heifers," he continued. "And that is what this report addresses."

A copy of this latest report on heifer feeding programs is available from your Syntex representative or by writing Syntex Agribusiness, P.O. Box 653, Des Moines, IA 50303.

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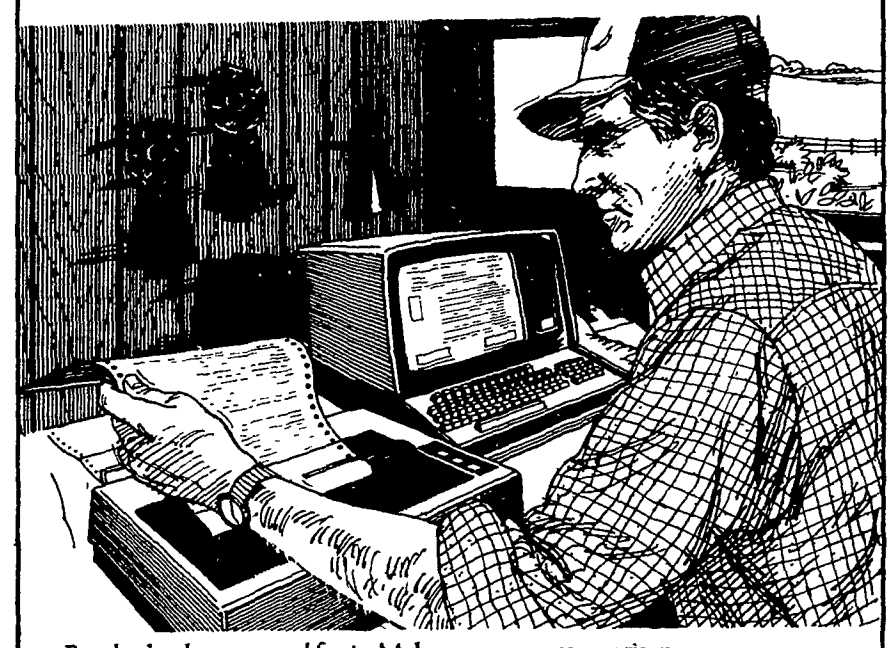

But don't take our word for it. Make your own comparison.

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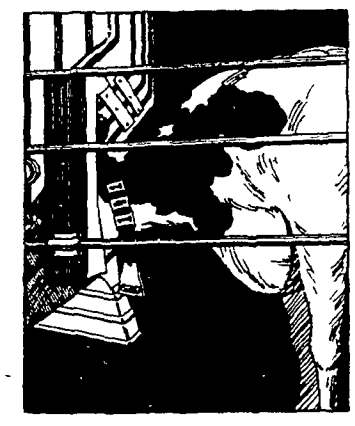
Compare Infarmation's feeding capabilities. With most other systems, you need to manually adjust the amount of feed periodically, so cows are always being overfed or underfed. The Infarmation Feed Manager, on the other hand, automatically adjusts the ration each day of each cow's lactation cycle. This is more than a convenience. It's much more precise feeding, and makes a big difference in efficiency, milk production and even herd health.



Finally, compare service. We doubt if you'll find another system with a toll-free Help Line, a computer club and certified dealer service right on the farm.

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Ear corn mill hangs on

PENDER, Neb. — Despite the rapid increase in the use of the combine for corn harvest, the conventional picker has not gone the way of the dinosaur. Many farmers still prefer harvesting in the ear-particularly if they plan to feed their crop to dairy or beef cattle.

In Wisconsin, Drs. Howard Larsen and Garit Tenpas, of the University of Wisconsin at Marshfield, found that ground high-moisture ear corn and high moisture shelled corn have equal feed value. In fact, the ear corn had a slight advantage when compared on an equal dry matter basis.

Both the ear corn mix and the shelled corn were stored in oxygen limiting silos. The ear corn was processed before ensiling and the shelled corn was processed after removal from the silo.

Similar research indicates the same advantage exists when feeding beef cattle and points up the advantages of using the cobs instead of leaving them out in the field. It explains the continuing demand for machines such as the Automatic Ear Corn Mill.

"We thought the Ear Corn Mill would be phased out with the advent of the picker-sheller," says Jay Hesse, Director of Marketing of Automatic in Pender, Nebraska. "Instead we found an increasing demand for the Ear Corn Unit from beef and dairy operators." The demand led to refinements and improvements in the mill, including development of models to handle more volume with larger blower discharge to fill the tallest silos.

"Our Model ATE-54B 1800 will process up to 900 bu./hr. with only 70 horsepower," Hesse points out. "So far as we know, no competitive mill delivers so much capacity with so little horsepower."

The Automatic Ear Corn Unit employs a unique pre-crusher unit which shells the corn and crushes the cob ahead of the regular rolls which crack the kernels and reduce the cob further. The result is a uniform corn-and-cob mix which has had enthusiastic endorsement of dairy and beef operators.

The unit handles wet, even frozen ear corn without difficulty," says Hesse. "Our non-fast-roll design provides self-cleaning action to keep the rolls clean and free from clogging."

The Automatic Mill proved its point in a demonstration at one of the early Farm Progress Days. Five mills were lined up to process some wet shucky corn. Only the Automatic mill was successful in completing the job.

Automatic pioneered the development of farm-size roller mills in the early forties. The ear corn mill was an immediate favorite with feeders who were accustomed to machines which were either unacceptably slow or else required a lot of power. The Automatic mill with its unique crusher rolls gave them greater volume with less horsepower and produced a uniform mix with no dust or fines. "We're proud of the fact that a lot of those early mills are still in service," Hesse declares. "Some of them have had the rolls resharpened after a million bushels and then went back for another million."

How many mills are out there? Hesse isn't sure, but he knows that more than 100,000 have been sold. He's sure that Automatic has sold more farm size mills than all other manufacturers. He's also pretty sure that a lot of feeders will continue to prefer to feed corn-and-cob mix which will mean continued demand for the Automatic Ear Corn Mill.

For further details contact the manufacturer, Automatic Equipment Mfg. Co., Department NR, Pender, Nebraska 68047.

Automatic ear corn mill shells corn, crushes cob, cracks kernels and mixes before filling silo.

Soybean group meets Tuesday

SALISBURY, Md. — Farm policy issues, soybean export expansion, soybean checkoff outlook and a crab feast highlight the Mid-Atlantic Soybean Association annual summer meeting in Queenstown, Maryland, on Tuesday.

The two-hour meeting, which immediately follows the Wye Field Day in Queenstown, is open to all area soybean farmers.

John Baize, Washington program manager for the Soybean Association, will outline current issues vital to soybean farm profits including current legislation promoting cargo performance legislation as well as attacks on current farm programs.

Carl Gangwish, a Nebraska farmer serving as president of the American Soybean Development Foundation, will discuss the new opportunities to improve soybean farm income through expanded markets in Asia, Africa and Latin America.

Soybean leaders from Maryland, Delaware and New Jersey will report on how their farmer boards are investing soybean checkoff money in research, export expansion and education activities to build soybean farm income.

The meeting will close with a crab feast which will cost $5.00. All soybean growers and agribusiness persons are invited to attend.

A bus will be provided for New Jersey growers for an additional $2.00.

For more information, call Mid-Atlantic Soybean Association president, Fred Pew, at (609) 267-3275 or the Soybean Association Regional Office at (301) 742-9500.

Atlantic gets 3 Pa. bulls

LANCASTER — Atlantic Breeders Cooperative has selected three Pennsylvania bulls to enter their young sire sampling program. They are among 50 Holstein sires to enter the program this year.

Penn-Dell Chairman Baldini, bred by Jay and Mary Houser, Spring Mills, will be known as 15H495 Baldini. His sire, Cal-Clark Board Chairman, is scored "Very Good" and excels in both production and type. His dam, Penn-Dell Jerry Buttons, is classified "Very Good" in the Houser herd and has two records over 20,000M and 800F. Her sire is Eng-Amer Ivanhoe Jerry.

Pa-Dot Rockel, bred by Paul King, Cochranville, will be known as 15H514 Rockdel. He is a son of Glendell Arlinda Chief scored "Excellent" with high PD's in both production and type. His dam, Pa-Dot Rocket Nelley, is classified "Very Good"-88 and has two production records over 30,000M and 950F in the King herd. Her sire, Whittier-Farms Apollo Rocket is a popular Atlantic sire.

Pa-Dot Bellma, also bred by Paul King, will be known as 15H515 Bellma. His sire, Carlin-M Ivanhoe Bell, is classified "Excellent" and well-proven for high production and type. His dam, Pa-Dot Rocket Babe Roma, is scored "Very Good" in the King herd and has production records up to 34,910M and 1,317F. Her sire is also Whittier-Farms Apollo Rocket.

During sampling, each of these bulls is randomly-mated to approximately 500 Holstein cows through artificial insemination service in herds owned by Atlantic members. They remain at Lancaster headquarter barns for the next four years as they continue to grow and await evaluation of their progeny. If the results prove satisfactory, these bulls will see extensive service and their semen may be marketed to other parts of the world.

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In addition to silage storage, these upright units may be used as retaining walls or manure pits.

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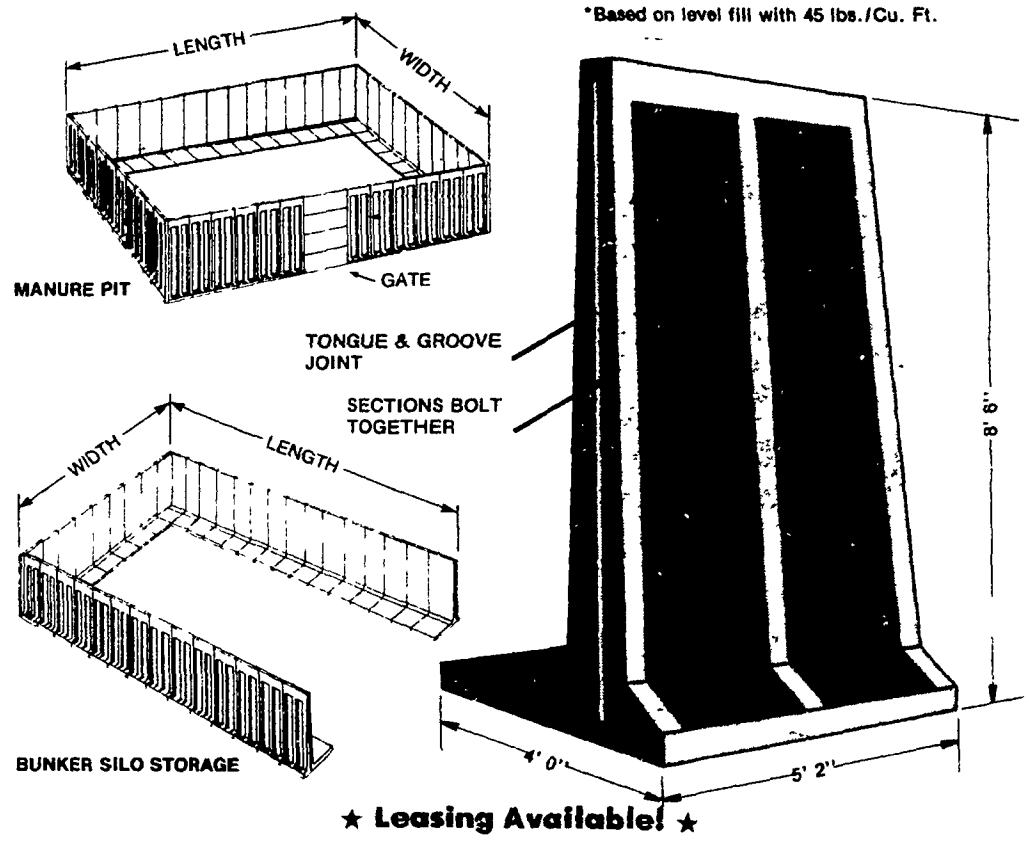
Length \ Width	20'	30'	40'	50'
60'	215	323	432	540
70'	251	376	504	630
80'	287	431	576	720
90'	323	485	648	808
100'	359	539	720	900
110'	395	593	792	989
120'	431	648	864	1080
130'	467	688	936	1170
140'	503	755	1008	1260
150'	539	808	1080	1350

*Based on level fill with 45 lbs./Cu. Ft.



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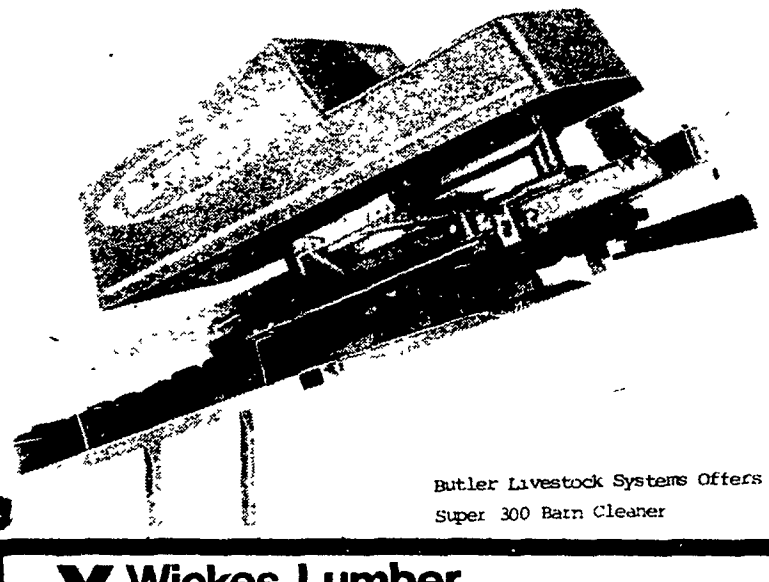
Butler offers new barn cleaner

FORT ATKINSON, Wi. — Butler Manufacturing Company — Livestock Systems has recently introduced the new Super 300 Barn Cleaner, which features a superior V-Belt pulley and roller chain reduction drive unit.

Available with reversible flat-link up to 330 feet or Hook-Link chain up to 280 feet, the Butler Super 300 barn cleaner offers powerful performance characteristics at a cost-effective price. Units can be supplied with a 2 or 3 HP electric motor equipped with overload protection for longer operating life. An optional brake kit is also available to prevent chain back-up when the cleaner is shut off.



Butler Livestock Systems Offers t
Super 300 Barn Cleaner

Flat-link models have 2 or 3 inch high paddles and have an operating speed up to 20 feet/minute. All links are forged high carbon steel for high tensile strength and durability. Completely reversible, the flat-link chain is ideal for replacement in many existing cleaners. Wear shows and scrapers are bolted, and the nut is located on top of the assembly for rapid service.

Hook-link models have an operating speed of up to 25 feet/minute and permit easy chain tightening by turning an adjusting screw and/or engaging an automatic spring-loaded tension arm. Tapered steel paddle assemblies are specially designed to give added strength and for removal of manure liquids. Links are forged and reinforced with extra steel at all wear points.

Flite spacing of 18 inch or 24 inch widths and gutter widths of 16 inches or 18 inches are available. Both the primary and secondary drive shaft feature heavy-duty ball bearings. Strength and reliability is ensured as the final drive shaft features oil impregnated bearings with grease fittings for relubrication.

Butler recently formed the Livestock Systems operating unit. The new company resulted from a consolidation of Butler's Jamesway and Oswalt divisions. Headquartered in Fort Atkinson, the firm manufactures and markets feed and manure handling system.

For additional information on the new Butler Super 300 Barn Cleaner, contact: Butler Manufacturing Company — Livestock Systems, 801 Janesville Avenue, Fort Atkinson, WI 53538.

Anitox reports personnel

BUFORD, Ga. — Anitox Corp. announces that Herman O. Jones, Vice President, will be giving personal attention to clients in the Caribbean and Central and South America.

John Nix, International Sales Director, will be concentrating his efforts in European markets.

Jones is well traveled in Latin America and will continue the high calibre of service associated with Anitox Corp.

Anitox also announces a new addition to its sales staff. Merrill Folsom joines Anitox as Sales Representative for N.C. and S.C.

He is a 1983 graduate of the University of Georgia with a BSA in Agricultural Economics. While at UGA, Merrill participated in many clubs and activities and received several honors.

Merrill is from Tucker, Georgia, but will soon be making his home in North Carolina. He replaces Travis Holifield, who resigned for personal reasons.

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	8'	10'	12'	14'	16'
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Progressive farm owners save time and money by using our top-quality trusses. Delivery is made right to the job site... and our trusses are pre-engineered to meet your exact needs.

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• (51) pcs. 12"x16" Triple 4 Hardboard Country siding	8.07	4.99
• (100) pc. 2x6 10' Spruce #3		2.79 ea.
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See Page D6

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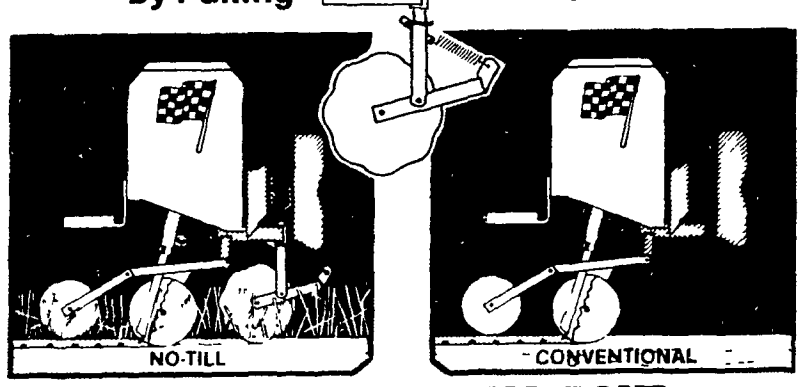

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- 7′, 14′, 20′, 27′
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Whatever you need ... Marliss builds it.

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- No-Till
- Lo-Till
- Reduced Till
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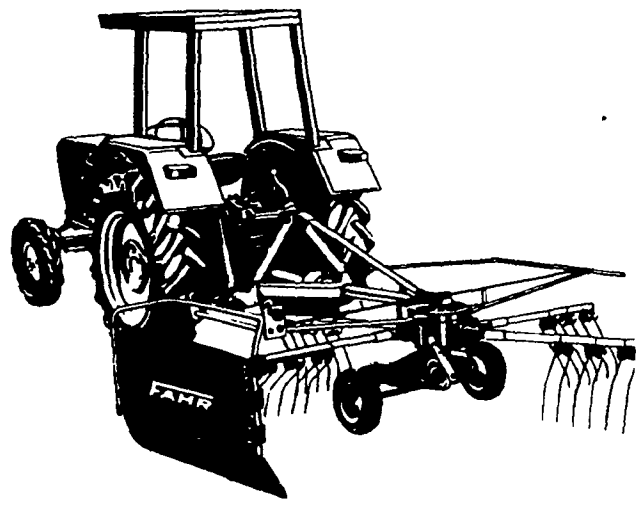

More leaves — less tangle.

The circular raking pattern of the Deutz-Fahr Rotary Windrow Rake gives you fluffy, tangle-free windrows that are easy to pick up. Gentle handling saves leaves and stems for higher protein content in your hay.

Stop in soon and check out the new Deutz-Fahr Rotary Windrow Rake. See why Deutz-Fahr is the gentle power in the hayfield.

DEUTZ FAHR

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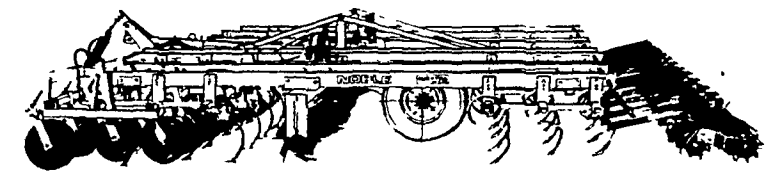
One-pass spring tillage.



One-pass conservation tillage has a lot going for it, but when you only go over that field once, your equipment has to do the job right. That's why you should turn to Noble for dependable equipment that's specifically engineered for once-over farming.

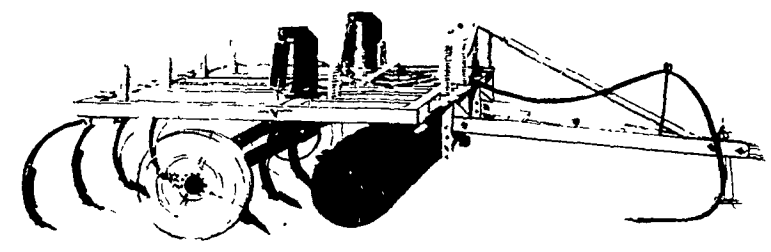
In the spring, one pass with the Mix-N-Till gives you a smooth, firm seedbed for planting. With one pass you can wait until the soil and moisture conditions are just right for chemical incorporation and seedbed preparation.

Mix-N-Till does all these jobs at once: • Cuts trash • Loosens, mixes, cultivates soil • Moves, turns, levels the ground • Eliminates air pockets • Incorporates chemicals • Finishes, smoothes the seedbed • Leaves surface residue to help prevent soil erosion.

See us now. We'll show you how Noble can save you time, labor and fuel this spring

NOBLE™

One-pass fall tillage.



One-pass conservation tillage has a lot going for it, but when you only go over that field once, your equipment has to do the job right. That's why you should turn to Noble for dependable equipment that's specifically engineered for once-over farming.

In the fall, one pass with the Chop-N-Chisel right after harvest cuts up stubble, incorporates residue and leaves ridges to catch winter moisture and help prevent soil erosion.

Cutter disks chop up trash while rugged chisel shanks dig deep — up to 12 inches — with minimum plugging. Moldboard points roll the soil over, incorporating part of the trash to aid moisture and air penetration, leaving additional trash on the surface to protect your fields over winter.

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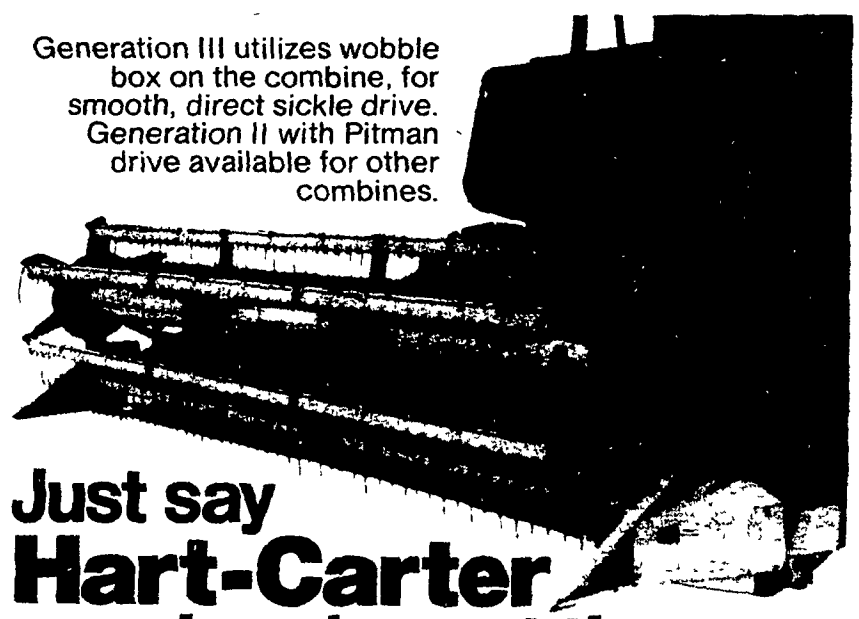
Generation III utilizes wobble box on the combine, for smooth, direct sickle drive. Generation II with Pitman drive available for other combines.



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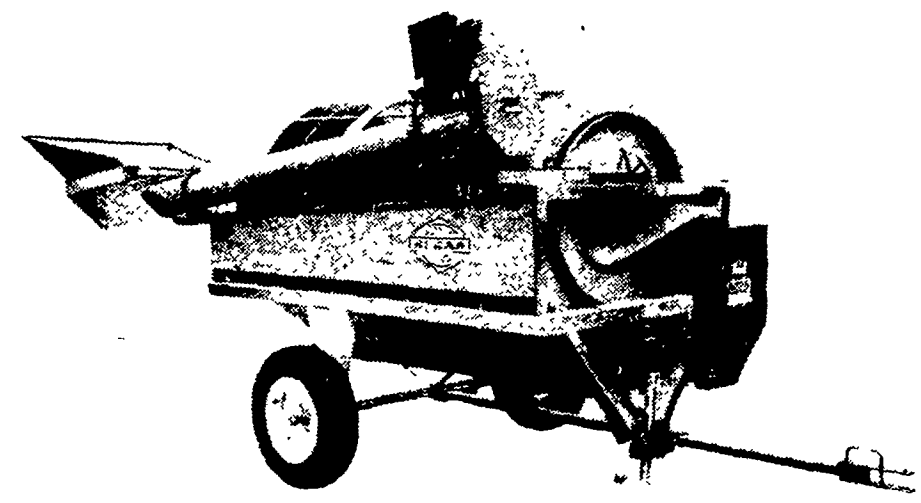

HI-CAP® grain cleaner

DMC Hi-Cap® grain cleaners remove foreign material from your grain that can restrict air flow and cause spoilage.

A system of dual counter-rotating screening drums lets Hi-Cap clean grain more thoroughly than conventional screeners.

Model sizes and screen sizes are avaialble to fit any farm operation.

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Krause debuts wider stalk slicer

HUTCHINSON, Kan. — A new wider series of "Flex-Wing" chisel plow stalk slicers, capable of performing two tillage operations in a single pass, is now available from Krause Plow Corporation.

The 4500 Series come in working widths of 17 to 25 feet to slice through stalks or other heavy crop residue as they perform a primary tillage pass with over 500 lbs. of weight per foot of cut. With a maximum working depth of 12", the chisel plow stalk slicer helps break up compaction and opens up the soil for better root growth and improved water penetration.

The 4500 also leaves adequate crop residue on top of the soil to help prevent erosion. At the same time, part of the residue is stirred into the topsoil to start decomposition. Shanks are mounted in two ranks for maximum front-to-rear trash clearance with choice of trip clamp, or spring mounting clamps. Heavy-duty 1-1/2" x 2" x 30" trip clamps feature a breakaway bolt to protect the shank and a positive lock to keep the shank in the casting as it pivots to clear obstacles. Spring mounted shanks have a massive rear-mounted spring for maximum point loading and approximately 9" of trip height. Four inch twisted shovels feature replaceable points with hard facing available as an option.

The Krause 4500 Series plow stalk slicer has working widths of 17 to 25 feet.

The new 4500 also features a 4" x 5" steel tube frame, 4" x 6" hitch members, a unique slave cylinder system that allows all cylinders to operate completely closed no matter where the depth is set, and 20" coulter blades on 8" spacing.

Optional heavy-duty reels are available to crush and incorporate crop residue for better decomposition. Reels also help level part of the field surface in the fall, which makes spring seedbed preparation easier to accomplish in a single trip.

'Slinger' manure spreader

The new Model 2500 "Slinger" manure spreader is a multi-purpose unit from Knight Manufacturing Corp., of Brodhead, Wisc.

With a 335-cu. ft. or 2506-gallon capacity, it handles both semi-fluids or solid manure. Features include heavy half-inch thick high carbon steel flighting on the auger for good cleanout and heavy swinging hammers on the discharge which chew up material and fan out the semi-fluids.

The 2500 can be converted to a grain buggy by disconnecting the hammer drive.

Cobb reports on vaccination

KALAMAZOO, Mich. — Articles on the importance of infectious bronchitis vaccination programs and staphylococcosis leg problems are featured topics of the newly published edition of "Cobb Research World" — a poultry science and management newsletter published by Cobb, Incorporated, a subsidiary of The Upjohn Company.

In the lead article, Dr. Roland W. Winterfield, Chief of the Avian Section for the School of Veterinary Medicine at Purdue University, discusses the difficulties of IB vaccination programs, administration of vaccines and monitoring antibody levels.

The second article, authored by Dr. C. Riddell, professor of Veterinary Pathology at the University of Saskatchewan, examines leg weaknesses in poultry caused by staphylococcosis. The discussion includes the diagnosis of clinical signs and lesions, epizootiology, pathogensis and management recommendations.

Requests for copies of this issue should be directed to: Cobb Research World, Volume 4, Number 1, Cobb, Incorporated, Upjohn Agricultural Division, P.O. Box 5087, Kalamazoo, MI 49001.

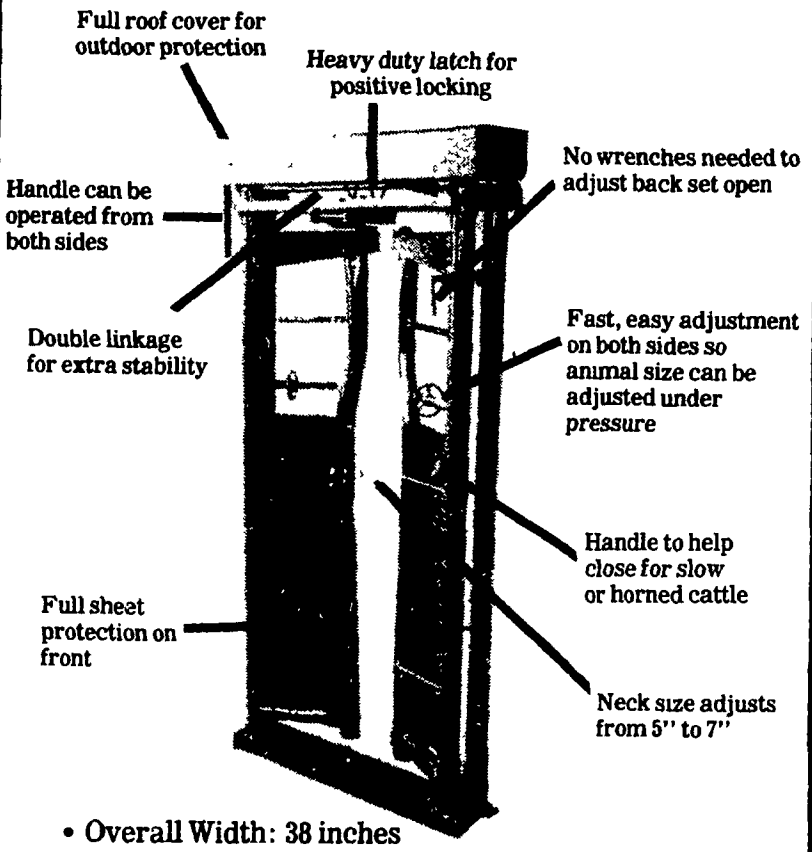
Prime + rotation changed

GREENSBORO, N.C., — Growers of flue-cured, burley, dark, Maryland and cigar tobaccos can now use Ciba-Geigy's Prime + sucker-control material and rotate to any crop the following season.

Original registration of Prime + by the Environmental Protection Agency (EPA) in June allowed only tobacco to be planted the year following application of Prime +, and rotation to other crops 18 months after application. The EPA has now approved removal of all crop-rotation restrictions from the Prime + label.

According to Les Manges, product manager for Ciba-Geigy, Prime + is based on a completely new chemistry which leaves no MH residues in the leaf, making tobacco more acceptable in world markets. Prime + provides full-season control, allowing the leaf to ripen naturally without yellowing, bleaching and bronzing. This could translate into higher quality, which could mean higher prices at the warehouse.

AUTOMATIC CATTLE HEADGATE


Full roof cover for outdoor protection
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No wrenches needed to adjust back set open
Handle can be operated from both sides
Double linkage for extra stability
Fast, easy adjustment on both sides so animal size can be adjusted under pressure
Handle to help close for slow or horned cattle
Full sheet protection on front
Neck size adjusts from 5" to 7"

- Overall Width: 38 inches
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- Fully Open Clearance: 26 inches
- Heavy 6 inch channel base, 2-3/8 inch tubing, 12 ga. wall, high yield steel
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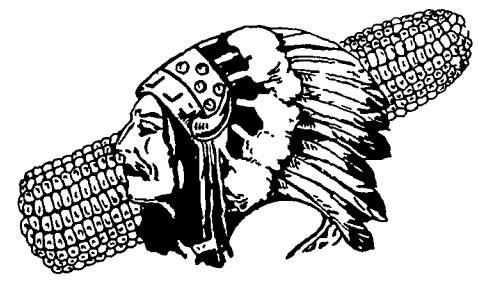

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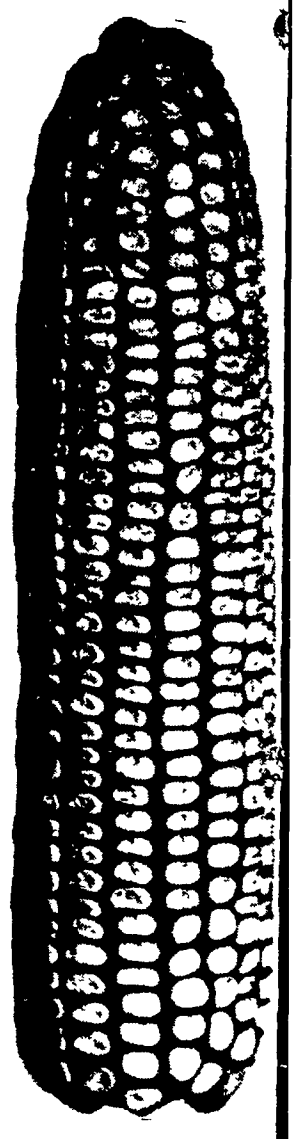

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Consider more cereal grains for feed

NEW HOLLAND — With good planning you won't get caught short of cow feed. It's not necessary, says Mark Good of Sperry New Holland. If you are in a winter grain growing area, you can plant some extra wheat, barley or rye for harvest next spring. It might be a good use for some PIK acres. The crop will come off early next spring. Cereal grain cut for hay or silage can boost your carrying capacity.

Farther north, spring seeded oats are a useful source of forage. Wheat, barley, oats and rye are all good feed if they're cut at the right stage and handled properly. But the quality can vary a lot in even a few days. There have been disappointments.

All of these crops need a lot of wilting for silage if you cut them young for highest quality feed, notes Good. The moisture content drops rapidly as they head out and mature. If you delay cutting to the late dough stage, they may be too dry to pack well for good silage. The stage to cut depends on your feed needs.

If you need quality feed — top protein and high digestibility — you may want to cut before the heads emerge. At that stage you take a loss in tons but you get pretty good feed if you wilt to about 55% moisture before ensiling. Cereals cut in the dough stage give you more tons per acre but at lower protein and digestibility. They will be lower in moisture in ordinary conditions, so a shorter wilt will do. If the straw is "turning" you may want to chop close behind the Haybine mower-conditioner. A short chop and quick, effective sealing are needed then or the silage may overheat.

Cutting and windrowing with a Haybine mower-conditioner speeds silage making even when you don't need to wilt because more harvesters will have higher tons/hour capacity with a windrow pickup than with a direct-cut head. And most forage need[illegible]

good quality feed, anyway.

The good feature about cereals as forage is the extra productivity, adds Good, who is product manager for hay tools at New Holland. Wherever winter wheat, barley, rye or oats can be grown following silage corn, the crop can usually be taken off early the next spring enough to allow a full-season corn variety to follow for grain or silage. This makes double cropping practical much farther north than the areas where you can double crop for mature grain and beans in the same season.

Farther north, where fall-sown grains don't survive, cereal grain acreage is still good feed insurance. If you need the hay or silage, you can cut it for feed. Buy if you have plenty of hay, you can let it mature for grain. It's like having a rubber fence around your hay land, adds Good.

Cereal grain can substitute for legume hay or haylage if cut in the vegetative growth stage.

Kubota cites front loader

COMPTON, Cal. — A new front loader - built so the tractor operator can attach and detach it without tools - is being introduced to the U.S. market by Kubota Tractor Corporation.

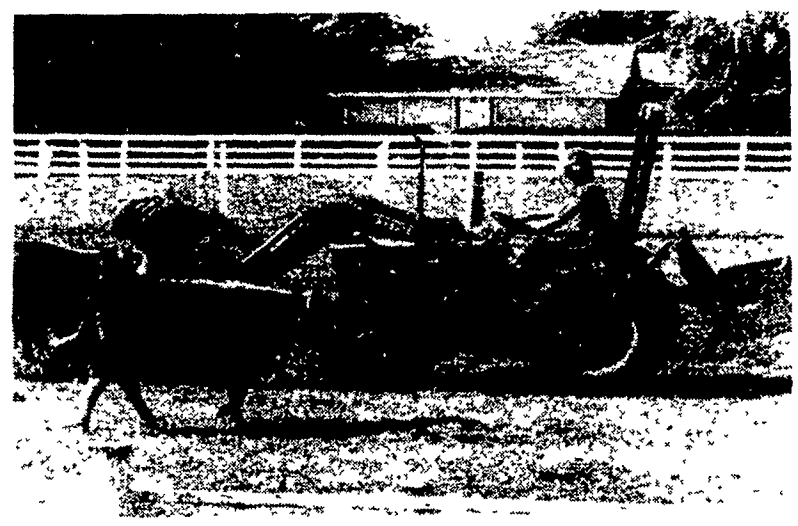
The new "quick attach" Model BF400 loader is designed for balance and perfect compatibility with Kubota's L235 and L275 tractors. With a lift capacity of 815 lbs. and a maximum lift height of 94.5 inches, it is ideal for use by farmers, nurserymen, contractors and other general commercial users.

A built-in parking stand allows convenient storage and attachment.

The operator simply drives the tractor up to the loader, aligns it, attaches the external hydraulic hoses, and hand-fastens two T-handled wedge bolts and two L-handled bolts.

Features include a 60-inch bucket and single-lever control valve operation. The reach with the bucket on the ground is 58.5 inches and the breakout force is 1410 lbs. Hydraulic bucket control is standard.

Kubota Tractor Corporation markets a full line of diesel-powered tractors from 10 to 76 PTO horsepower through a nationwide dealer network. For further information, contact Kubota Tractor Corporation, 550 W. Artesia Blvd., Compton, CA 90224.



Kubota's new BF400 front end loader gives Kubota tractor owners "quick attach" convenience.

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Handicapped take to the reins

Spirits soar as riders compete with pride, courage

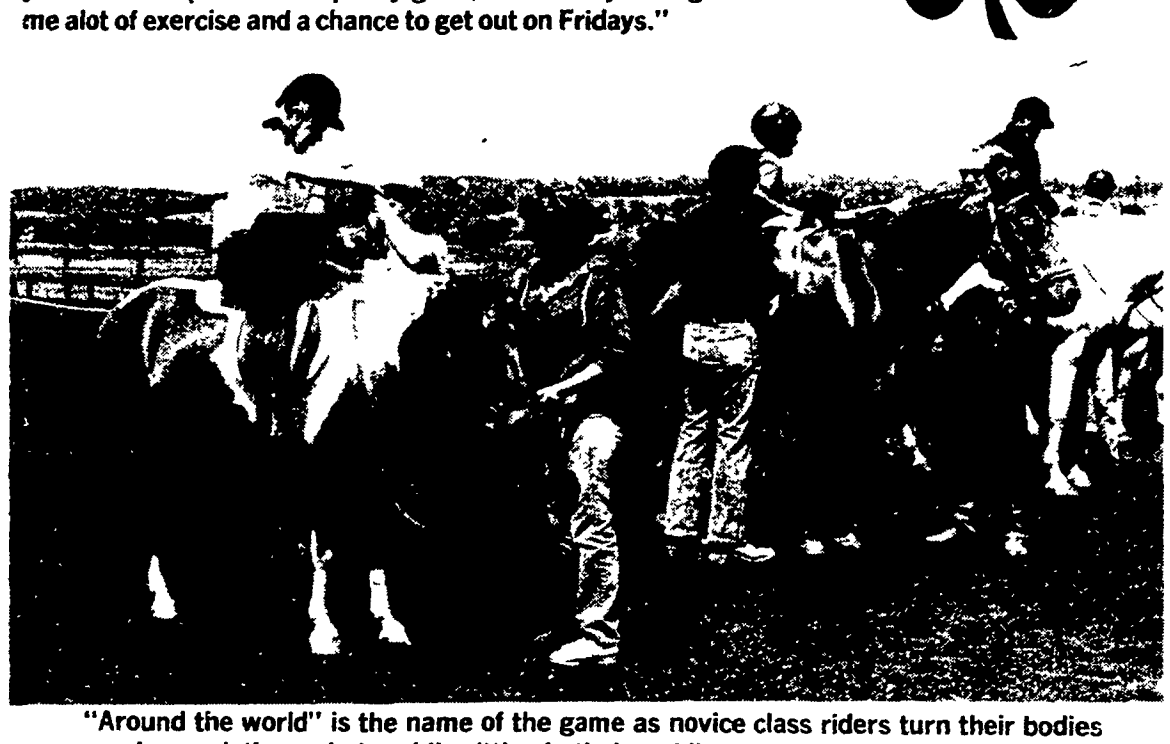
photo story by Laura England

Members of the 4-H therapeutic Riding Program for the Handicapped competed in the program's 2nd annual Open Dressage Show, Aug. 14. In this photo, 9-year-old Danny McMullen, Lancaster, displays his blue ribbon for placing first in the novice walk/trot class.

Five-year-old Nathan Buckwalter, Ephrata, proudly sits atop "Kojak" a Palimino pony purchased by the Lancaster County 4-H Therapeutic Riding Program through a $1,000 donation from the Ephrata Area Young Farmers Association. Joining Nathan in a special presentation of the check are from left: Carol Henkel, program coordinator and riding instructor; Ira Martin, president of the Ephrata Young Farmers; Dan Fox, EAYFA community service committee; and Nathan's grandfather John Zimmerman, a Young Farmer member who spearheaded the donation drive.

"Oh no," cried out Victor Miller as his call to trot his horse came from show announcer Judy Westenhoefer. But it was all in fun as volunteer aids, from left, Ed Burkman, Mary Ann Farrow, and Theresa Knaubb, lend a help hand. A Leola resident, 29-year-old Victor has been in the program for a year. "It's helped me out pretty good," Victor says. "It gives me alot of exercise and a chance to get out on Fridays."

Riding instructor Mary Ann Farrow, left foreground, leads the novice rider class in a series of exercises. These exercises, such as bending and stretching, are also done during the regular riding lessons held every Friday at the Central Manor Riding Stables, Mountville.



"Around the world" is the name of the game as novice class riders turn their bodies around, completing a circle, while sitting in their saddles. In the foreground, 19-year-old Susan Curtis, New Holland, does her workout with the help of riding instructor Carol Henkel and volunteer aid Theresa Knaubb at the lead.

Dana Fischer, Columbia, gives it her all in the obstacle course as she tries to toss a hoop over the post while riding instructor Ned Robbins, right, supervises. Dana also competed in Class II for advanced riders and earned first place.

Farm Credit names ass't. VP's

BALTIMORE — The Farm Credit Banks of Baltimore, the area's leading agricultural lending institution, has announced the promotions of Clayton R. Owens and Cinthia K. Thornhill, both to Regional Assistant Vice President. Owens began his Farm Credit career as an Assistant Manager in the Banks' affiliated Meadville (Pa.) Farm Credit Association in 1965. In 1970, he transferred to the Butler (Pa.) Associations as Associate Manager, and was named General Manager in 1975.

A graduate of Virginia Polytechnic Institute & State University, Thornhill joined the Roanoke (Va.) Associations in 1977 as Marketing Manager/Loan Officer and, in 1981, transferred to the Richmond (Va.) Associations as a Branch Manager. Thornhill is the first woman to hold a Regional Assistant Vice President's position in the Baltimore Banks District, which includes the states of Delaware, Maryland, Pennsylvania, Virginia and West Virginia, and the Commonwealth of Puerto Rico.

Erosion unchanged

WASHINGTON, D.C. — Average erosion on America's cropland apparently has changed little since 1977, Peter C. Myers, chief of the U.S. Department of Agriculture's Soil Conservation Service, reports.

Preliminary data from the agency's 1982 National Resources Inventory show that the average annual rate of sheet and rill erosion on cultivated cropland in the U.S. last summer was 4.8 tons per acre, down from 5 tons per acre estimated during a similar inventory in 1977.

Jerry S. Lee, resources inventory director for the agency, characterized the change as "insignificant." He added that final data from the inventory, including state-by-state data, are expected this fall.

Other preliminary data from the 1982 inventory show that 31 percent of the nation's nonfederal rangeland was an excellent or good ecological condition and 61 percent was in fair or poor condition. About 8 percent of the rangeland has been seeded to nonnative grass species and therefore was not classified as to condition.

Lee said these data are the first national statistics on range condition that were collected using national inventory sampling techniques. They show little change from 1977 conditions but represent a significant improvement from conditions recorded in an extensive study conducted in 1963.

For the 1982 inventory, USDA soil conservationists and other trained specialists recorded resource conditions at 1 million sample points across the nation. The Iowa State University Statistical Laboratory is compiling and processing the data.

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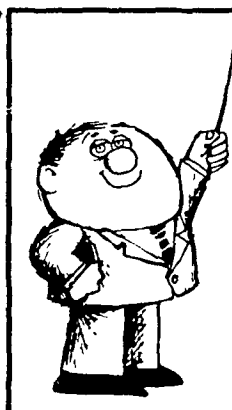

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Dawn Hoff shows Chianina grand champion

BY DICK ANGLESTEIN

YORK — "I don't know if I ever seen eight better steers in the ring at the same time," commented judge Jim Gillooly, of Washington, Ind., as he looked over the class winners of the Northeast Chianina Field Day last Saturday at the York Fairgrounds.

"I've seen an amazing improvement over the animals shown last year.

"I know the design of the calf I want and then I just look for the one that best fits that pattern.

"You set type by looking at it from behind and if there's not enough muscle there, it's not for me.

"If the calf is younger, just check the profile for development potential.

"Isn't it absurd to measure an animal at the hip to see what class it goes in. I never yet saw an auction or stockyard where they measured at the hip.

"The important thing is weight and the composition and distribution of the weight."

With these words still ringing in the ears of the audience, Judge Gillooly strode back into the ring and slapped the rump of the 1210-lb. Chianina-Angus shown by Dawn Hoff, of R1 Manchester, Md. The 17-year-old daughter of Dale and Sylvia Hoff previously had shown the animal to the grand championship of the Carroll County Fair. The calf came out of Whitewood Chianina Farm, The Plains, Va.

For the reserve grand champion, Gillooly went to the heavyweight calf of Fritz C. Frey, of R2 Quarryville. The 1260-lb. three-eighth Chianina and five-eighth Angus was previously shown to the grand championship in New Jersey. It came from Rally Farm in New York State.

In addition to the 52-entry steer show, the day-long event included a heifer show, judging and weight guessing contest, fun auction and open pit barbecue.

Steer Show

Top three class placings in the steer show:

Class 1 – 1. Stacy Suffel, Carlisle; 2. Vicky Hess, Conestoga; 3. Lance Armstrong, Somorset.

Class 2 – 1. Jamie Kohr, York; 2. Tim Foreman, Hershey; 3. John S. Eaton Jr., Windsor.

Class 3 – 1. Dwayne Messick, Elizabethtown; 2. Kelly Rohrer, Manheim; 3. John Frey, Quarryville.

Class 4 – 1. Jan Waltz, Manheim; 2. Carol Ginder, Manheim; 3. Carol Strause, Hamburg.

Class 5 — 1. Tom Gordon, Carlisle; Angie Fought, Carlisle; 3. Allyson Sheaffer, Carlisle.

Class 6 – 1. Darby Smith, Red Lion; 2. Andy McIntire, White Post, Va.: 3. Leigh Ann Templeton, Ebensburg.

Class 7 – 1. Dawn Hoff, Manchester, Md.; 2. Brenton Upperman, Chambersburg; S. Scott Templeton, Ebensburg.

Class 8 – 1. Fritz C. Frey, Quarryville; 2. Andy McInture; 3. Dan Hoff, Manchester, Md.

Judging

Teams: First, Lancaster Team 2 of Ernie Frey, Joe Garber and Fred Weaver with alternate Emily Weaver; Second, Lancaster Team 1 of Fritz Frey, Gerald Hess, Jan Waltz and alternate Brian Hess; Third, York Team 1 of Cathy Shive, Darby Smith, Robin Shive and alternate Robert Livingston.

A tie between the top two teams was broken with the steer weight guessing contest.

Men's judging – 1. Gordon Shive, Seven Valleys; 2. Donald Walter, Airville; 3. Barry Longacre.

Women's judging – 1. Carol Weaver, Ephrata; 2. June Sunday, York; and 3. Sarah Fought, Carlisle.

Junior Judging – 1. Jenni Druch, York; 2. Ernie Frey, Quarryville; and 3. Cathy Shive, York.

Weight guessing on the steer that weighed 1190 lbs. – 1. Dale Shaffer, Carlisle, 1186; 2. Scott Templeton, Cambria, 1185; 3. Donnie Walter, Airville, and Barb Weaver, Lancaster, each 1195.

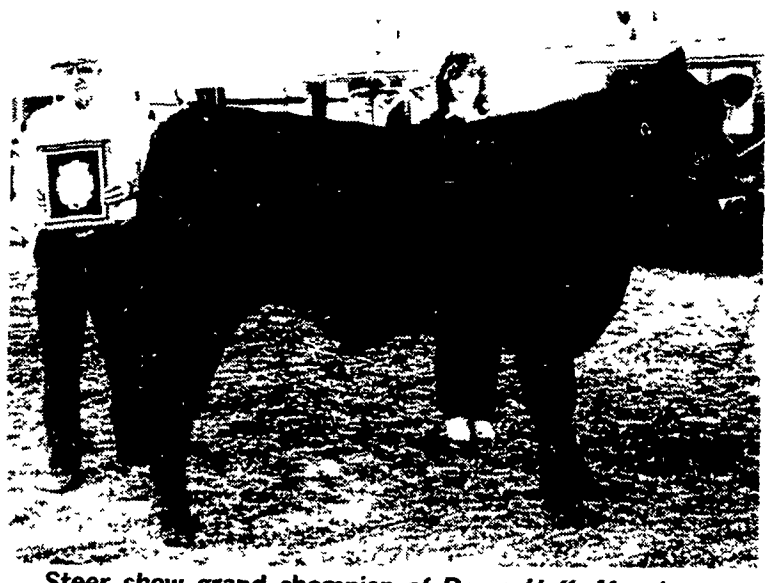
Heifer Show

American, Class 1 – 1. Sherri Gilmore, Bellefonte; 2. Eugene R. Moore, Warriors Mark. Class 2 – 1. Paul D. Miller Jr., Spring Grove; 2. Greg Christman, Chambersburg. Grand champion, Gilmore; reserve champion, Christman.

Full Blood – Class 3 – 1. Karen Bros., East Berlin; 2. Jamie Kohr, York. Class 4 – 1. Karen Bros.; 2. Karen Bros. Grand and reserve, Karen Bros.

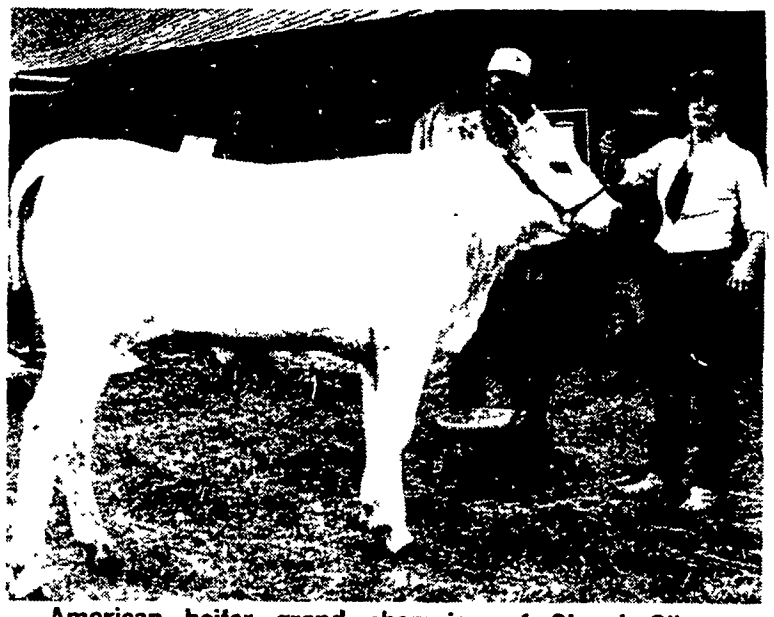
Black – Class 5 – 1. Sarah Anne Messick, Middletown; 2. Douglas R. Moore, Warriors Mark. Class 6 – 1. Andy Shubert, The Plains, Va.; 2. Tim Foreman, Hershey; 3. Karen Bros., East Berlin. Class 7 – 1. Jamie Kohr; 2. Sherri Gilmore; 3. Ann Louise Kincaid, Rockwood. Class 8 – 1. Christopher Schubert, The Plains, Va.; 2. Kenianne Rarick, Reading; 3. Kerri Kohr, York. Grand champion, Andy Schubert; reserve champion, Christopher Schubert.

Participating in the festivities was Sheila Fairbairn, Pa. Cattlemen's Queen.

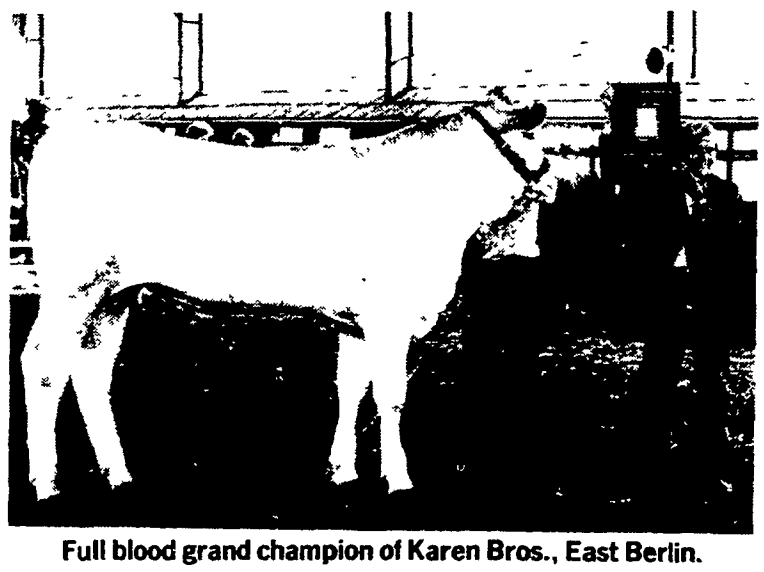


Steer show grand champion of Dawn Hoff, Manchester, Md.

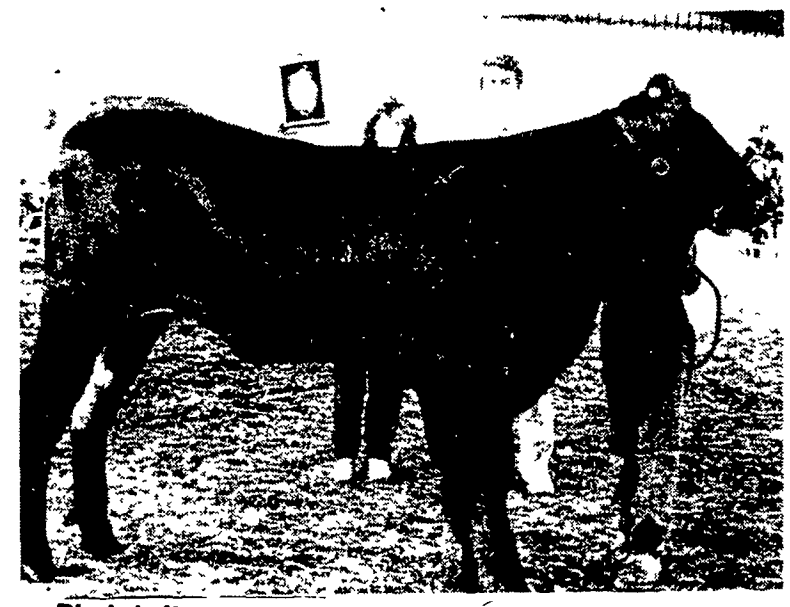
Grand champion black heifer of Andy Schubert, The Plains, Va.



American heifer grand champion of Sherri Gilmore, Bellefonte.

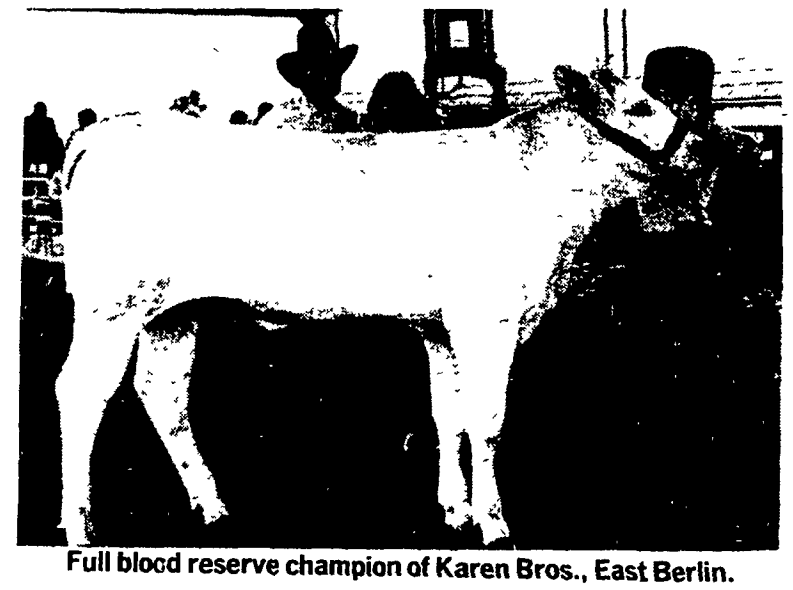


Full blood grand champion of Karen Bros., East Berlin.



Black heifer reserve champion of Christopher Schubert, The Plains, Va.

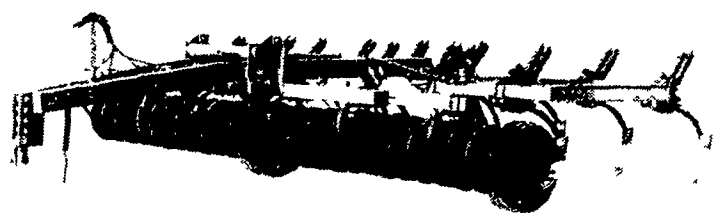
Reserve champion American heifer of Greg Christman, Chambersburg.



Full blood reserve champion of Karen Bros., East Berlin.

Steer show reserve champion of Fritz Frey, Quarryville.

Cutter/chisel plow cited



New Colter-Champ II cutter/chisel plow from DMI, Inc. features low profile and two colter options with hydraulic depth adjustment.

GOODFIELD, Il. — DMI, INC., recently introduced a new cutter/chisel plow called the Colter-Champ II. According to Robert Wiegand, marketing manager at DMI, "The DMI Colter-Champ II, we feel, is setting the standards for a new generation of cutter/chisel plows with more features, better performance and best value...and at prices every farmer can afford."

According to Wiegand, equipment features of the Colter-Champ II include: new sizes in 7, 9, 11 and 13 shank models; a new look with attractice low-profile design; two colter options- a 20" colter gang to cut residue in smaller pieces for a more finished look, or 24" individual colters to cut residue in longer pieces for a "wicking action" and to leave more residue on the surface for maximum erosion control; on-the-go hydraulic colter depth adjustment to meet various field conditions and agronomic needs; and three mounting bundles-including an automatic reset.

Performance features include: choice of surface residue desired for erosion control; unit permits a more constant tillage depth for better air and water exchange; and it can be equipped to deep place nutrients for better utilization of fertilizer.

Wiegand also stated: "The DMI Colter-Champ II, we feel, is the best value because it's built rugged, using 3/8" wall tubing for years of trouble-free service...and it's backed by the continued support and service from DMI."

For further information contact: DMI, INC., Rt. 150 E., Box 65, Goodfield, IL 61742.

New headquarters

KANSAS CITY, Mo. — Ground breaking ceremonies for the American-International Charolais Association's new building site was held Aug. 6 in Kansas City, Mo.

Approximately 100 people attended the ground breaking ceremony including John Blankers, Holland, Minn., president of the American-International Charolais Association; Roy Prescott, Jerome, Idaho, vice president; Jim Shannon, Jeffersonville, Ga., secretary; and Willard Walker, Springdale, Ark., treasurer.

Kansas City was represented by its Mayor, the Honorable Richard Berkley.

According to Joe Garrett, executive vice president of the American-International Charolais Association, the well-located building site where the ceremony was held is situated on I-29 2.5 miles from the Kansas City International Airport. Plans for a 10,000 square-foot facility are underway. Expected construction time is 150 to 180 days depending on the weather and material delivery.

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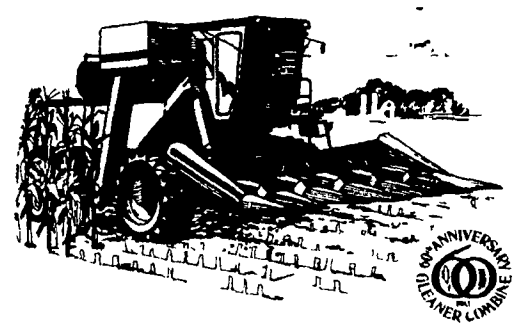

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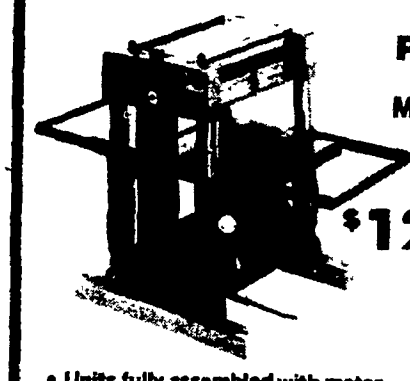

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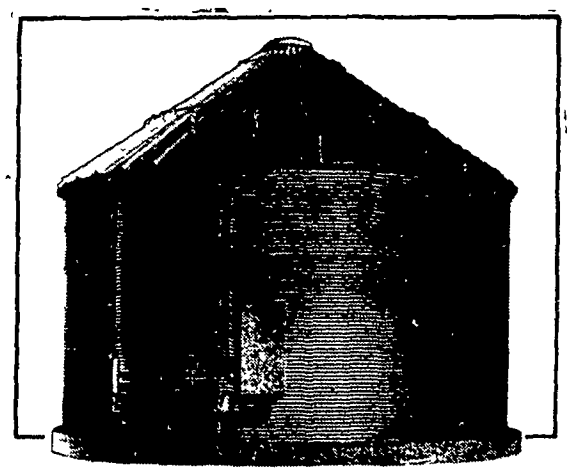

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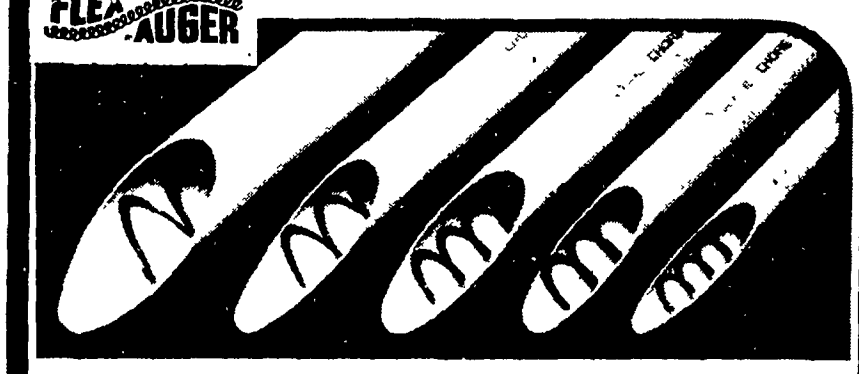

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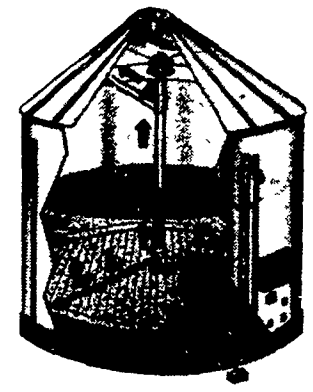

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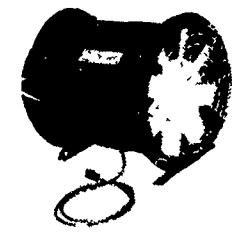

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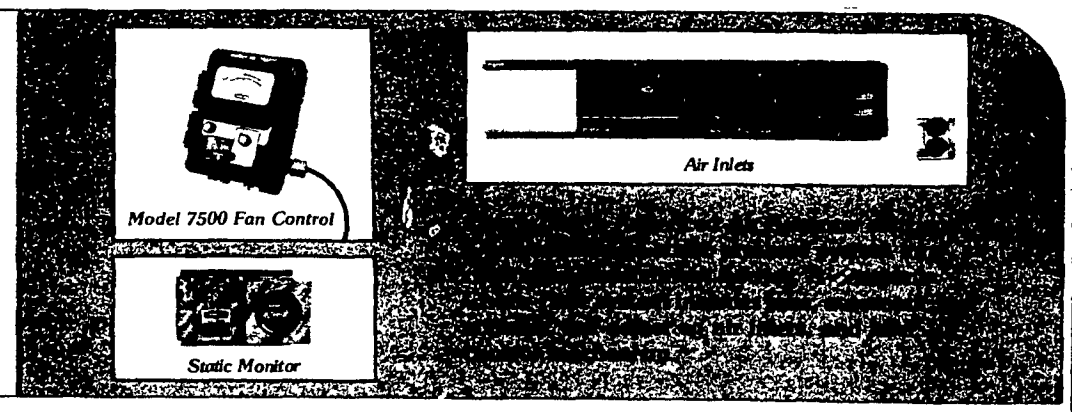

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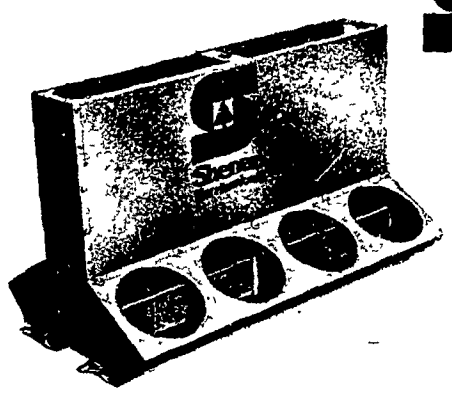

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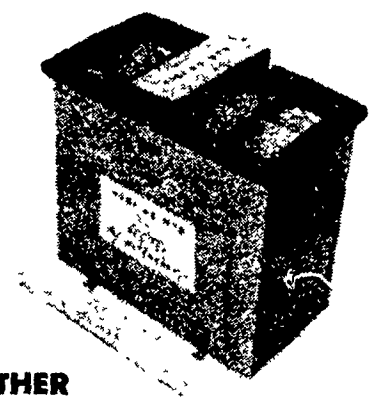

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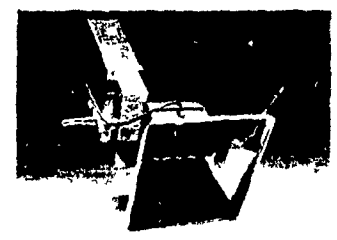

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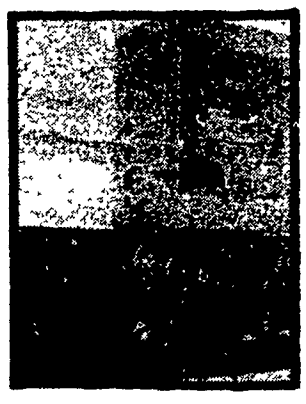

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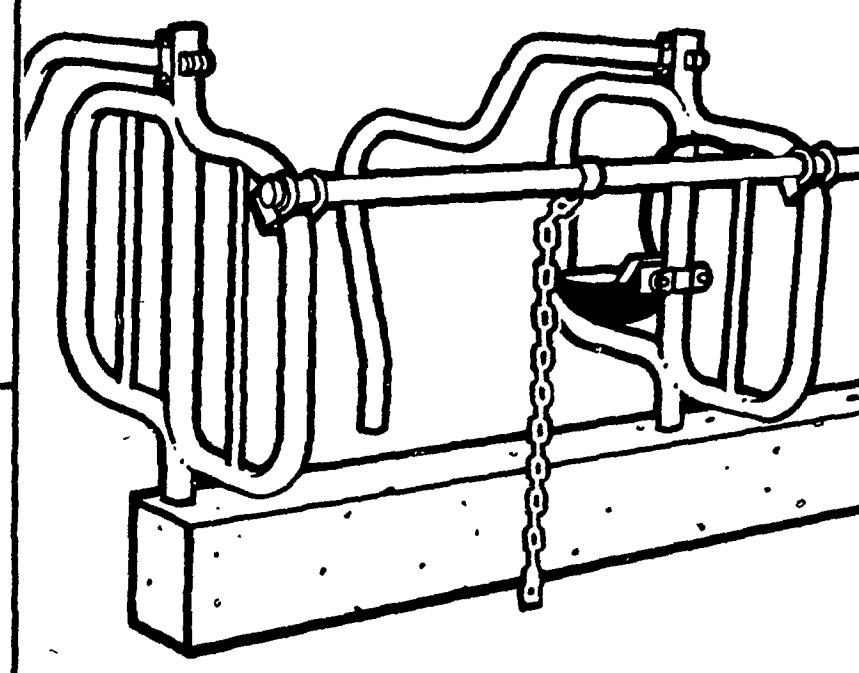

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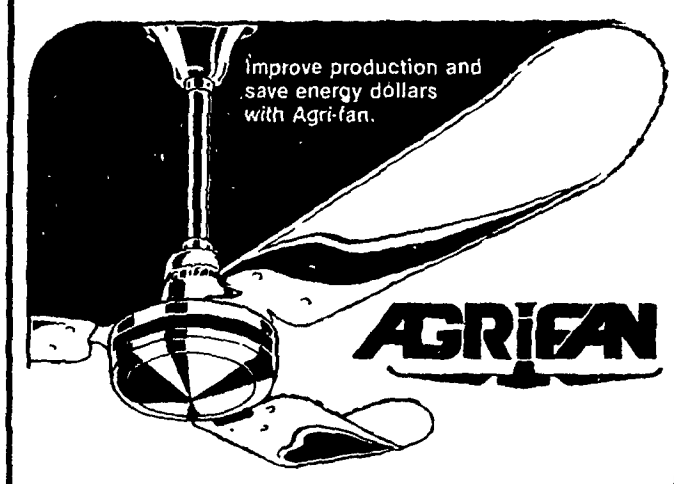

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Pa. DHIA supervisors receive awards

Kenneth Stackhouse and Robert Keppley, 35-year service awards.

Richard and Cindy Gigelow with service award.

STATE COLLEGE — The 59th Annual DHIA Supervisors Conference met in State College recently at the Holiday Inn Penn State. The theme of this year's conference was "The Use of the Computer in Recording Milk Production and other Related Data." Supervisors in attendance exceeded 180.

The first-day meeting was called to order by President James Benfield. Presentations were made by Sarasota Computer Co. demonstrating the hand-held computer. George Gramling, of National DHIA, made a presentation on the qualifications needed to be a DHIA Supervisor. The remaining afternoon consisted of other presentations on the use of the computer by DHIA Supervisors in their normal testing procedures. The afternoon was rounded out by a business meeting of the Supervisors Association.

The Awards Banquet was held Friday night at the Elks Country Club in Boalsburg with 340 agriculture related people attending. The service awards which were given are as follows:

50 Years: Alfred Shingledecker, Allegheny, (Presented Posthumously).

40 Years: Earl Boyer-Union.

35 Years: Kenneth Stackhouse, Columbia; Robert Keppley, Berks; Harold Boldosser-Cumberland.

25 Years: Ron Rishel, Centre; Harold Probst, Lancaster; Robert Ream, Somerset.

25-Year watches were also presented, which were donated by the PA Dairymen's Association.

Jay Mylin, Lancaster, was presented the Hollinger Memorial Award for neatness and accuracy of barnsheets.

Thomas Garrett, Lancaster, received the first Dexter N. Putnam Memorial Award for accuracy of reporting. Testing 816 herds, he made only 3 errors.

The Superior Supervisor Award, the highest award given to a DHIA Supervisor, went to Kenneth Stackhouse and his wife, Jean, Columbia. He received a plaque and cash award.

Service awards were presented to Richard Bigelow, Blair, and Walter Stydinger, Perry.

The second-day's conference discussion revolved around fat test variations, use of electronic milk weighing devices, and how the future of computers will effect the DHIA Supervisor's job. The election of officers was held. Those selected were: Dan Smith, Erie, President; Tom Garrett, Lancaster, Vice President; Criss Hess, Bucks, Secretary; Jon Kline, Treasurer.

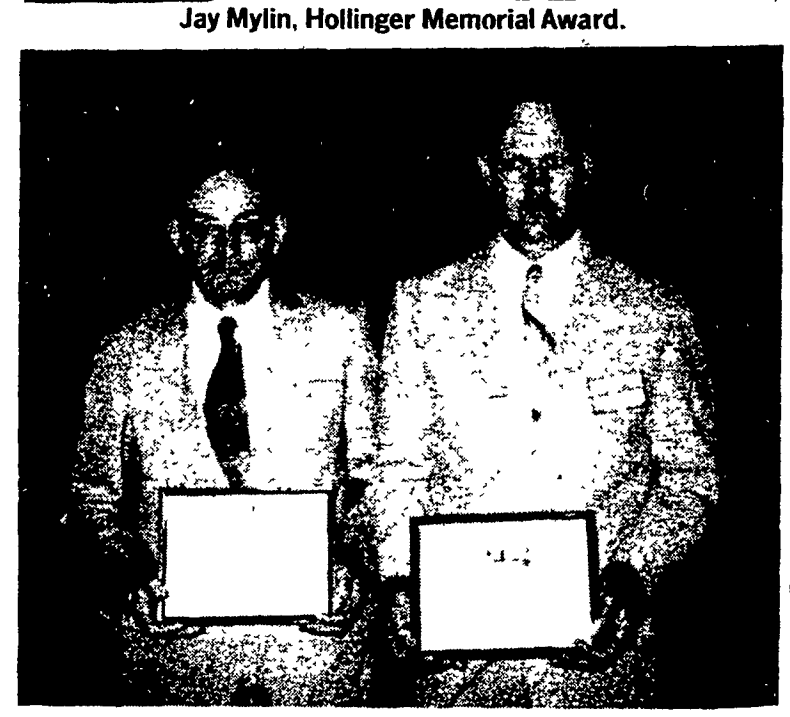
This was followed by a question and answer period by the DHIA staff.

Major financial contributors were the Atlantic Breeder, Sire Power, PA DHIA, and local DHIA Associations.

Mr. and Mrs. Kenneth Stackhouse receive Superior Supervisor Award from Ray Pruss, Pa. DHIA administrative assistant.

Thomas Garrett receives Dexter H. Putnam Memorial Award from Mrs. Emily Putnam.

Jay Mylin, Hollinger Memorial Award.



Ron Rishel and Harold Probst, 25-year service awards.

Don Thompson tops Potter Jr. Dairy Show

MILLPORT — Forty-seven animals were shown in the 4-H and FFA Junior Dairy Show, Friday, Aug. 12, at the Potter County Fair at Millport. Named Grand Champion was Ivajen Altitude Doreen, a senior two-year-old, shown by Donald Thompson, Ulysses. This cow was also the senior champion female. Reserve grand champion female and reserve senior champion was Melcliff Charm Cross Vic, shown by Dean Erway, Ulysses. Dean also took first place in the dam and daughter class.

Junior champion Holstein was Millerdale Marvation Paula, shown by Mike Thompson, Ulysses, who also took first place in the intermediate heifer class. Reserve junior champion Holstein was a senior heifer calf, Phylene Elane Elsie Ace, shown by Donald Thompson.

Master showman awards went to: senior division, Don Thompson, first, Georgie Barker, second, and Paige Matthews, third; intermediate, Keith Hoffman, first, Dean Erway, second, Don Gilliland, third; junior, Jeff Pirrung, first; Brandi Smoker, second, and Kay Smoker, third.

Master fitter awards went to: senior division, Mark Lambert, first, Don Thompson, second, Georgie Barker, third; intermediate, Don Gilliland, first; Keith Hofffman, second and Kenny Smoker, third, junior; Pat Prince, first; Diane Thompson, second, and Brandi Smoker, third.

Category winners in the Holstein division include: junior heifer calf, Phylene Endo Eve Creek, Michael Thompson; intermediate heifer calf, Millerdale Marvation Paula, Mike Thompson. Top senior heifer calf was Phylene Elaine Elsie Ace, shown by Don Thompson, who also showed the top junior yearling heifer, Phylene Deb Doctor Legacy. Top senior yearling heifer was shown by Don Gilliland, Genesee. Taking top honors as the junior two year old was a cow shown by Mark Lambert, Ulysses. Top three year old was Ivajen Knight Sherri, shown by Todd Hamilton, Ulysses. Dean Erway, Ulysses, showed the top four year old- Melclif Charm Cross Vic, while Susan Erway, had the top five year old and over cow, Waynehill Transmitter Bridget.

Grand champion female and junior champion female Brown Swiss was Conover Hill All Plus Queen, shown by Pat Prince of Millport. It was a senior yearling heifer. Diane Prince was the reserve junior champion, Conover Hill Dana Gertrudis.

Roger Dunn had the grand champion female and junior champion female Jersey, Sundae Lindy of Kountry Delight, an intermediate heifer. Kevin Kosa, Ulysses, had the reserve grand champion and junior reserve champion, Laureldon Minister Colleen.

In the Ayrshire Division, grand champion and junior champion female was Galney-R-Julis, shown by Georgie Barker, Ulysses. Senior champion female was a three year old, shown by David Pirrung, Ulysses. This cow was also reserve grand champion female. Reserve junior champion female was a yearling heifer, Violet A of 1-One-Ayr Farms, shown by Leon Tice.

Good Housekeeping Award winners were: Dairy Cattle: Georgie Barker, first; Melcliff Farms, Dean Erway, second; Don Gilliland, third; Todd Hamilton, fourth, and Phylene Farm, Thompson family, fifth. In the beef division, first place was Richard Barker; second, the Matthews family, third, the Wayne Erway family, fourth, Luke Crossley, and fifth, the Spees family.

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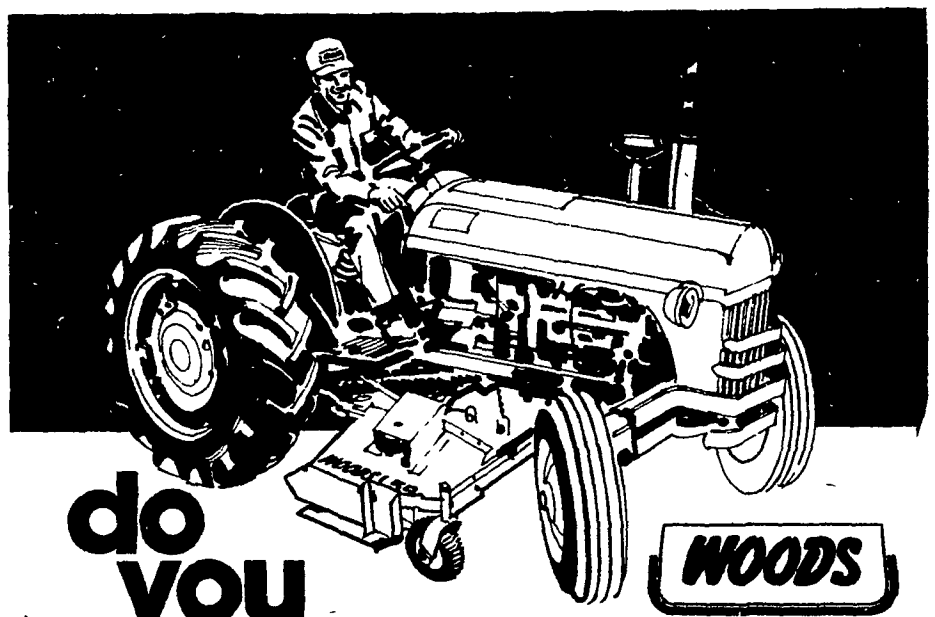

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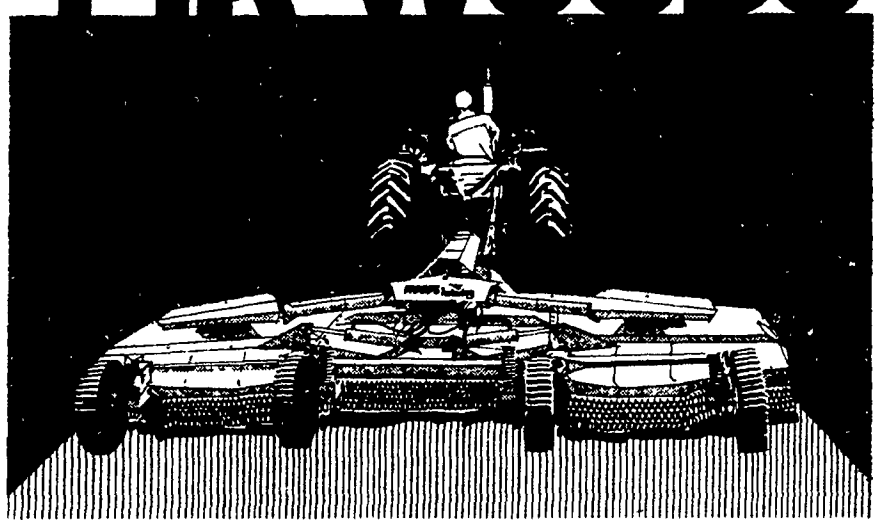

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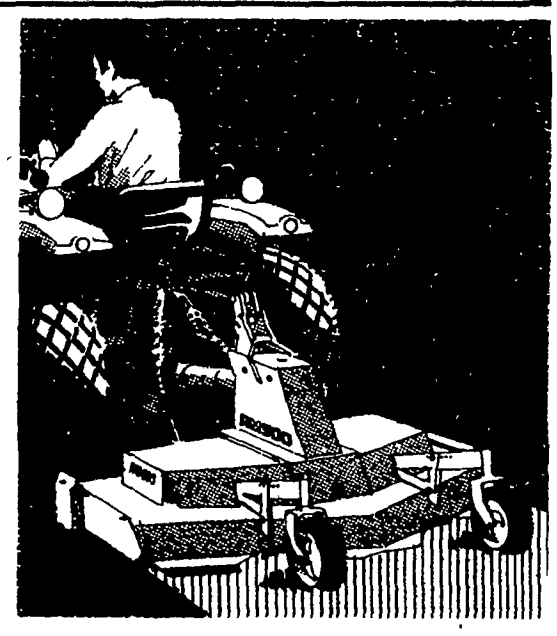

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Cheese is Family Tradition

BY KIMBERLY HERR

KINZERS — For some, cheese is merely food, something good to eat with crackers or pretzels. For the Lengachers, it is a family tradition.

Arthur Lengacher Jr.'s gread-grandfather was a cheesemaker in Switzerland. He eventually moved to Russia, but was forced to leave during the Bolshevik Revolution. He then moved back to Switzerland.

In 1952, the tradition was brought to America, and in 1954, Art's father set up the shop in Kinzers, where 1400 pounds of cheese is made each day.

The process is long, and without strong arm muscles, difficult.

The cheesemaking begins with the 18,200 pounds of milk that are used each day. It is put through a clarifiew, which clears the milk of impurities and separates the butterfat. The milk starts out at 3.7 percent butterfat and is brought down to 2.7 percent.

The milk is then put into copper kettles, each of which hold 2,600 pounds of milk. It is heated to 92 degrees and two types of bacteria are added.

"These eventually make the holes," Art said.

The bacteria sound like something you would not like to think about in your food, but they are a necessary part of the process. Their names are Streptococcus thermophilus and Bulgaricus Lactobacillus.

After the addition of the bacteria, rennet is added. Rennet is a red liquid, which comes from the stomach of a calf and costs about $70 per gallon. This helps to coagulate the milk.

After the milk has "set real still for 30 minutes," according to Art, he uses a cheese harp to cut the curd. This is where the strong arms come in, as the curds must be cut into kernel-size pieces.

When the curd has been cut, it must be stirred for about 40 minutes. It is then steamed for 30 minutes, with the temperature increasing one degree per minute. More stirring follows.

Testing the cheese to see if it is ready to be removed from the kettles is the next step. One way to do it is by testing the Ph factor, but the Lengachers know cheese so well they have their own way of testing it.

"We can do it by feel," Art said. He explained that when the cheese is squeezed by his hand into a roll, it should crumble and snap off. If it is too soggy, it needs to stay in the kettle longer, and if the cheese will not stay together, it has been in the kettle too long. This could be a catastrophe, as 2,600 pounds could be wasted.

"I've never done that," Art chuckled. "I've never had to throw it all away."

There have been times, however, when batches of cheese have been ruined by the milk. If the cow has been given penicillin, the antibiotic in the milk will kill the bacteria needed to make the cheese. There are strict laws about this now, however, so it rarely happens.

All of the milk used at Lengacher's comes from Lancaster County. It is sold to them from 22 local farmers.

When the cheese is ready to be taken from the kettle, it is taken out with cheese cloth and pressed into molds. The molds are then put in a salt brine solution, dated and cut in half to be dried. The cheese is kept in a refrigerated room for four or five days and sealed in airtight plastic. This prevents mold and rind.

"There is practically no waste to a block of cheese," said Dean Goodwin, an employee at Lengacher's.

The cheese is then moved to a warmer room, where it begins to rise "just like yeast," according to Goodwin. After the cheese is aged a bit longer, it is ready to sell.

The Lengachers make three kinds of cheese: Emmenthaler, the regular kind of Swiss cheese; Gruyere, a sharp Swiss that has been aged for more than one year; and Brick, which is mild, similar to Muenster cheese. According to Art, the Emmenthaler is the most popular, and 95 percent of the cheese they make is of this variety.

Although Art spends his days making cheese, he was not always a big fan of its flavor. In fact, according to Art, one of the reasons he attended Millersville State College was because he was unsure if he wanted to continue in the family business.

"If I don't like the cheese that I'm making, I can't be a good salesman," Art explained.

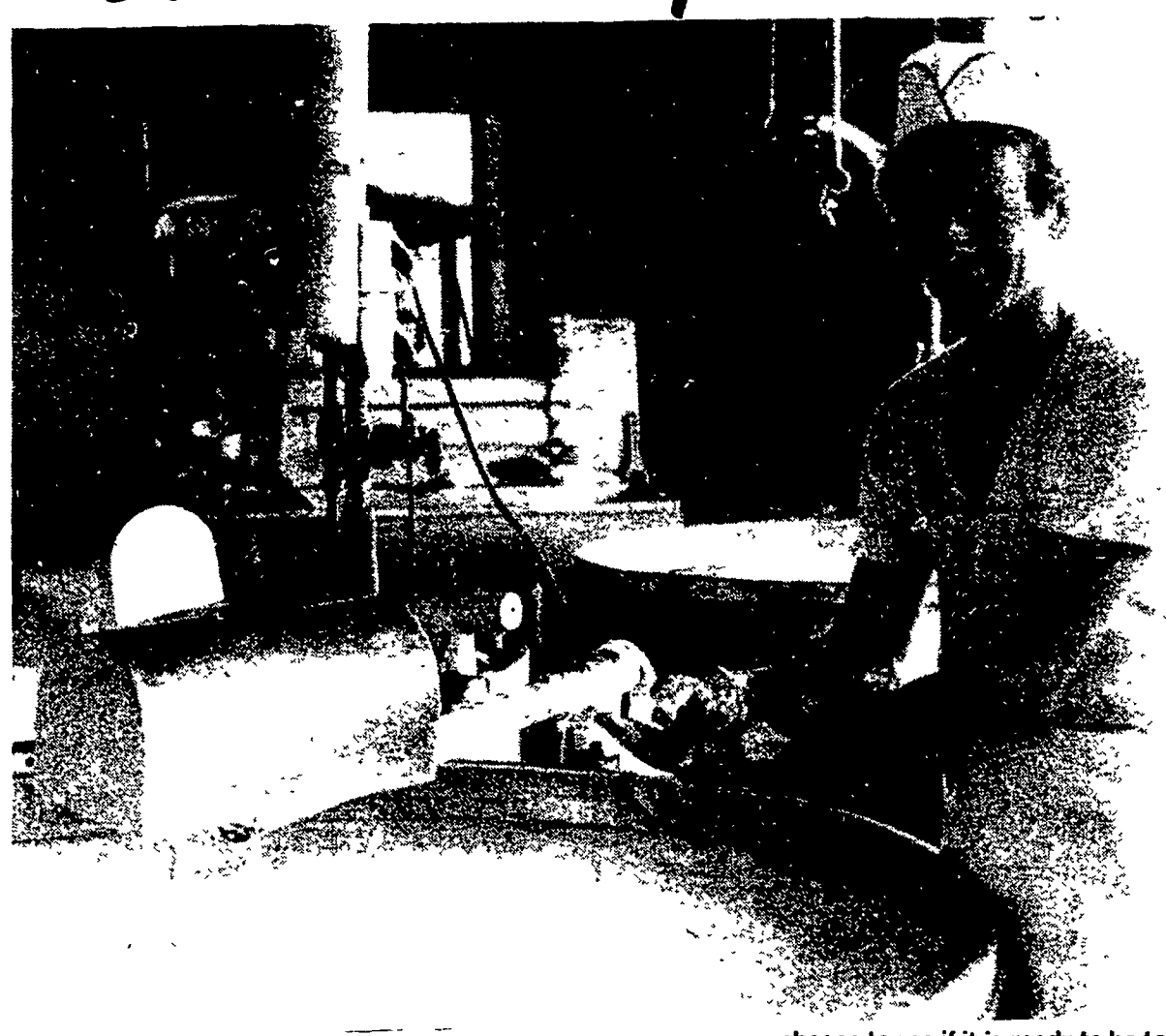
However, about the time he turned age 21, Art developed a taste for his family's product.

"I'm making up for it now," Art said. "I love it (cheese).

With his love for cheese goes his love for the family tradition. When asked if he would pass the tradition on to the next generation, his answer was a postive nod.

"I think it's an art," Art said. "We are a very close family."

The Lengacher family's operation can be seen in the movie "Pennsylvania's Milk Story," produced by the Milk Marketing Board's Public Information Service.



Art Lengacher Jr. is carrying on the cheese business, started four generations before him. Above, he is testing the cheese to see if it is ready to be taken from the huge kettle.

Cutting the curds of the newly made cheese requires strong arm muscles. The cheese harp is used to cut the curds into kernel-size pieces.

While Art and his father tend to the making of cheese, Art's mother, Martha, runs the shop attached to the cheese factory. Lending a helping hand is Arlene Denlinger. She has worked at Lengacher's for 27 years.

Corn festival next Saturday

SHIPPENSBURG — The third annual corn festival will be held next Saturday Aug. 27 and Sunday Aug. 28 at the Downtown and Burd Street parking lot in downtown Shippensburg.

The entire downtown area is closed to traffic as the town is transformed into a festival celebrating one of the area's most important crops. It is sponsored annually by the Shippensburg Heritage and Recreational Preservation, and monies from the festival are used for restoration and revitalization of the Shippensburg area.

A special feature of this year's event will be a 20 foot high scarecrow, which officials are saying is the world's largest.

Free entertainment will be available all day, including a mule train ride, agricultural exhibits, a petting zoo, blacksmithing and many crafts.

A special feature is corn food, ranging from corn fritters, to corn-on-the-cob, to corn bread, chicken corn soup and much more.

Another special event will be an afternoon children-adult workshop where you can make a life-size scarecrow and take it home with you.

There will be a balloon launch, window displays and an historical achitectural walk.

For further information about the two-day event contact Rose Dillner, 217 Mean Hollow, "Blythstead". Shippensburg, Pa. 17527.

Blair County DHIA Monthly Report

Pennsylvania Dairy Herd Improvement Association

June, 1983

Twenty High Herds

The twenty high herds for the month of June are listed as follows.

OWNER	NO. COWS	% DAYS IN MILK	LBS. MILK	LBS. FAT
Marcove Farm	68.0	84.5	19,264	729
Thomas W Kelly	65.0	88.4	19,529	726
James Smith	37.0	94.2	20,290	719
Clover Hill Farms	142.3	89.0	19,439	703
Penn-England	87.1	86.4	18,086	703
Charles&Mike Hoover	95.1	87.6	19,245	700
GW & RG Baker	71.8	90.3	19,056	700
Gerald Burket	97.6	85.5	20,661	699
Richard R Fox&Sons	42.4	84.3	17,975	688
Dale W Hoover	35.6	87.9	18,413	684
William R England	154.6	88.8	18,771	681
Dennis A Smith	47.5	89.1	18,652	681
Clover Lane Farms	65.6	88.4	17,930	678
Lar Ann Farm	113.5	85.7	18,329	676
Blackcrest Farms	68.9	87.1	18,039	675
Dawn Baker	105.9	86.6	18,323	673
Richard Heltzel	37.9	87.7	17,796	671
Raymond Diebold	34.8	88.3	18,904	670
Burket Falls Farm	84.6	90.9	17,633	664
W Dean Stern	68.2	91 3	18,552	662
Smith Hollow Farms	102.6	85.5	18,198	662

High Cow

The high cow for the month is a registered Holstein in the Blackcrest Farm herd. Cow #18 produced 27,113 pounds of milk and 1,088 pounds of butterfat in 305 days at 6 yrs. and 8 months of age.

Individual Cow Records of 305 Days Or Less Over 750 Pounds Butterfat

OWNER NAME OR NUMBER	BRD	AGE	LBS. MILK	% FAT	LBS. FAT
GW & RG Baker					
141	RH	8-2	23,119	3.5	820
179	RH	6-3	20,242	4.1	820
Smith Hollow Farms					
166	RH	4-2	17,604	4.5	798
Handy	RH	3-6	23,135	3.2	751
James Smith					
Jill	GH	2-6	21,736	3.5	759
Dale W Hoover					
Joyce	RH	6-6	23,219	3.7	861
Connie	RH	3-6	22,114	3.6	790
Sun-Smith Farms					
604	GH	4-4	19,353	3.9	758
Marcove Farm					
Jenifer	RH	5-11	20,898	3.9	813
Millie	RH	5-9	22,054	3.4	756
Emile Dilling					
181	RH	4-0	21,278	4.1	879
Gerald Burket					
208	GH	3-10	23,494	3.7	873
Fred Bechtel					
Lucky	RH	3-3	18,401	4.4	813
Blackcrest Farms					
18	RH	6-8	27,113	4.0	1088
42	RH	4-9	19,637	3.9	768
48	RH	4-6	20,399	4.3	872
67	RH	3-3	20,069	4.3	860
Sheldon Fleck					
Irma	GH	8-7	16,480	4.6	751
Richard R Fox & Sons					
Nellie	RH	3-4	20,599	3.7	771
W Dean Stern					
74	RH	4-5	25,320	3.9	981
27	GH	3-9	15,388	4.9	759
William R England					
86C	RH	4-6	20,906	4.0	830
Dawn Baker					
411	GH	4-0	18,156	4.4	795
Rodney L Metzler					
139	RH	7-4	20,036	4 1	823
161	GHH	7-9	18,229	4.1	752
171	RH	4-10	20,501	4 0	824
Lar Ann Farm					
Shama	RH	5-8	20,615	3 7	758
Bess	RH	4-8	19,695	4.3	854
Jerry & Sandy Young					
50	RH	5-3	17,958	4.3	771
Thomas W Kelly					
Belleb	RH	5-10	21,081	4.1	865
Mariann	RH	4-3	21,901	3 6	791
Julius Replogle					
Greif	RH	4-6	20,759	3.9	817
Raymond Diebold					
Shammy	RH	8-0	22,408	3 8	856
Clover	RH	5-7	18,425	4.6	856
Debbie	GH	3-9	20,706	3.8	754
Cross Country Farms					
81	RH	6-3	19,622	4.0	785
Charles & Mike Hoover					
Jill	RH	2-11	20,617	3.9	801
Sparkling Springs Farm					
20	GH	3-11	20,434	3.8	783
Penn-England					
Carrie	RH	4-11	17,341	4.7	818
Emma	RH	5-6	19,622	4.0	779
Rodrick Hinish					
Dolly	GH	6-8	16,979	4.5	759
Sun Smith Farms 2					
110	RH	4-6	20,528	3.8	784
Clair S Hursh					
4	GH	5-11	18,439	4.4	811

FRANKLIN COUNTY DHIA
June, 1983

NAME	BRD	NO. COWS	LBS. MILK	LBS. FAT
Oakleigh Farm	3	105	19,372	756
RV & SV Hollenshead	B3	32	20,746	747
Frank S Heberlig	3	44	19,121	737
Wayne A Hall	3	35	19,497	717
Clinton Stahl	B3	50	20,135	714
George Skelly	3	69	18,968	703
Dennis W Bricker	B3	36	19,198	702
H Lester Oyler Est	3	73	18,286	684
JC Young Jr & Son	3	60	18,608	683
Burk Lea Farms	3	130	19,862	679
RV&SV Hollenshead#2	3	58	18,732	678
Rebeken Farm	3	91	17,959	676
Wayne L Beidel	3	56	18,359	676
Twin Maple Farms	3	41	17,497	675
Richard Harshman&Son	3	70	18,606	674
Ray Wingert	3	52	17,575	671
Lester D Fortna	3	38	18,345	670
Gaymere Farms	3	177	17,540	670
Mark W Meyers	3	84	17,293	668
Lester&Alvin Meyers	3	53	17,850	667
Kenneth E Oliver	3	27	16,971	666
Carl O Stuff	3	47	19,379	664
RC&CB Allison	3	170	19,605	664
Lawrence Lehman	3	63	17,308	660
Keeners Dairy	3	116	16,903	659
Marv Adams&Sons	3	45	18,111	657
Harold Goshorn	3	73	17,037	657
Dale Wadel	3	57	16,830	656

Listed below are completed lactations of 850 lbs. of butterfat or over.

OWNER NAME OR NO.		AGE AT CALVING	DAYS IN MILK	LBS. MILK		LBS. FAT
Fred E & Dale Rice						
218	RH	7-11	305	24,302	4.1	987
Frank S Heberlig						
180	RH	4-3	305	22,333	4 2	942
Edwin R Eby						
75	RH	5-1	305	22,581	4.1	919
Roger Beck						
Pearl	RH	4-4	305	18,585	4.9	910
Frank S Heberlig						
136	RH	6-8	305	22,587	4.0	909
Burk Lea Farms						
180	RH	5-11	305	20,191	4.3	863
Fred E & Dale Rice						
245	RH	6-7	305	20,094	4.3	858

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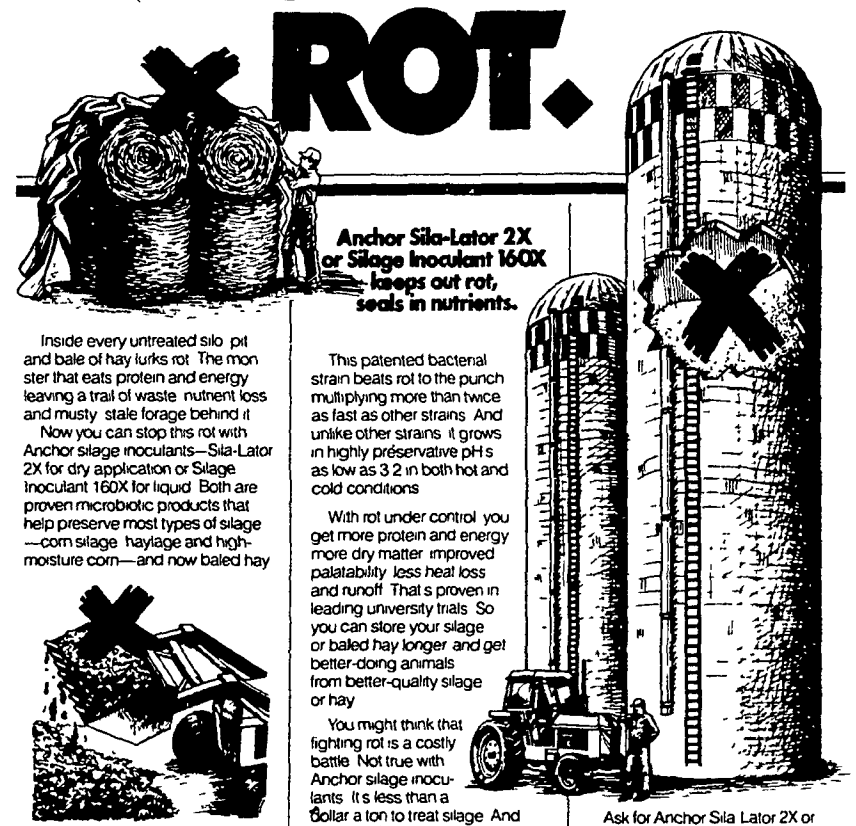

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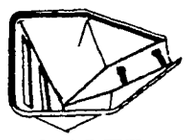

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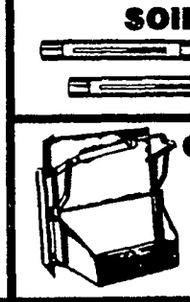

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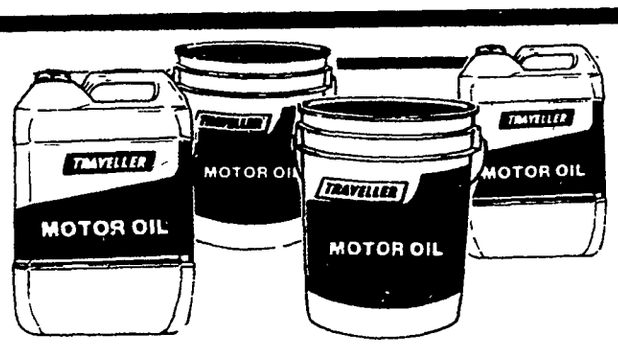

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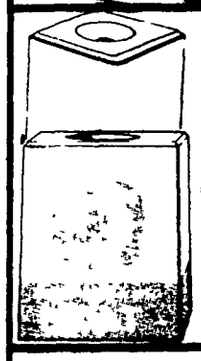

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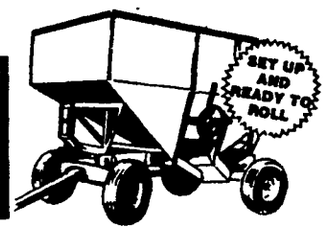

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10-10105	18x9 Ga. Plain	1"x1 1/8"	9.49
10-10058	18x9 Ga. Plain	1 1/8"x1 1/4"	9.49
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10-10197	20x7 Ga. Plain	1 1/8"x1 1/4"	12.79
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10-10090	16x11 Ga. Notch	1 "x1 1/8"	8.49
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10-10189	20x7 Ga. Notch	1 1/8"x1 1/4"	14.39
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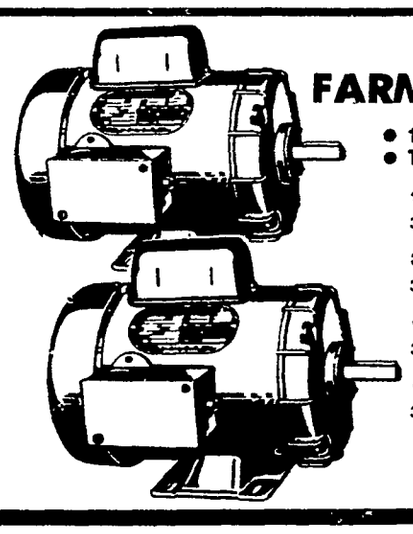

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10-14329	JD 14-4	8.89
10-14361	JD 16-4	9.39
10-14379	JD 18-5	9.69
10-14515	MF 14-4	8.89
10-14531	MF 16-4	9.29
10-14565	OL 14-4	9.79
10-14604	OL 16-4	9.99
10-12220	OL 16-5	9.99
10-14620	OL 18-5	9.99

SUBJECT TO STOCK ON HAND

6V OR 12V TRACTOR/UTI LIGHTS
• Throws Brilliant Diffused Beam
• Black Enamel Finish
• Lead Wires Included
02-83810/83828

YOUR CHOICE **7.9**

HYDRAULIC HOSE

DESCRIPTION
1/2" 1 WIRE 96"
3/8" 2 WIRE 96"
1/2" 2 WIRE 96"

STORE LOCATIONS:

CARLISLE, 1188 Spring Rd., formerly Arnold Motors, 717-245-2334, Mon.-Thurs. 8-6; Fri. 8-9; Sat. 8-5

LANCASTER, 896 So. of Rt. 30E., Hartman Bridge Road, 717-687-7642-3, Mon.-Thurs. 8-6; Fri. 8-9; Sat. 8-5

POTTSTOWN, 10[illegible] W. Schuylkill Rd., 21[illegible] Mon.-Thurs. 8-6; Fri. 8-8; Sat. 8-5

T ALE DAYS

SALE PRICES EFFECTIVE NOW THRU AUGUST 27

IOW ON ALE!

/ELLER OR OIL ALE

ON 5 GALLON **16.49**

18.49

19.59

20,30 WT. **20.49**

15W40 **21.99**

S LOW AS 7.49

K 11 GA. PLAIN

SIZE	NOW
1"x1 1/8"	21.89
1 1/8"x1 1/4"	18.99
1 1/8" x1/4"	34.99
1 1/8"x1 1/4"	29.99
1 "x1 1/8"	8.49
1"x1 1/8"	17.29
1 1/8"x1 1/4"	14.39
1 "x1 1/8"	10.99
1"x1 1/8"	21.89
1 1/8"x1 1/4"	17.49

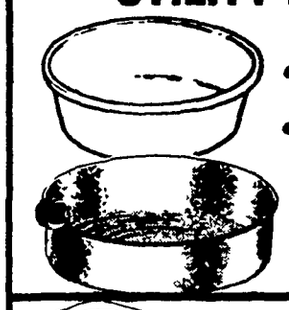
tock in all stores.

NDSON SHARES 3.89

PTION	NOW
3-4	9.69
4-3	8.89
4-4	8.89
3-4	9.39
3-5	9.69
4-4	8.89
6-4	9.29
4-4	9.79
6-4	9.99
6-5	9.99
8-5	9.99

K ON HAND

UTILITY PANS



PLASTIC
- 5 Qt. 22-28515

METAL
- 27 Gauge Galv. Steel 21-71344

YOUR CHOICE **1.49**

WHITE SALT BLOCK

- 50 Lb. Block 25-16502/17524

3.10 EACH **59.00** ¼ TON

TRACE MINERAL BLOCK

- 50 Lb. Block 25-16586/17558

4.19 EACH **78.00** ¼ TON

AUGER DOLLY

- Swings Upward & Locks in Position when Auger is Being Hauled or Stored

21-16001

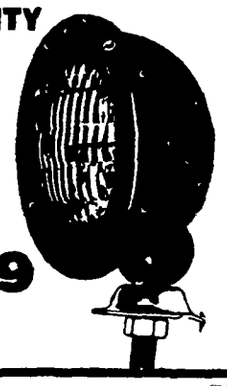
$119

CORNHEAD GATHERING CHAIN

- Engineered and Manufactured to Meet OEM Specifications

Make	O E Chain Part #	O E. Cornhead Model #	SKU #	NOW
MF	241-090-M91	22 321-322-33-421-422 -43-63-821	11-44027	24.99
AC	573640	1973-1978 Low Profile Quick Switch Heads - All Models	11-44035	26.99
JD	AN102009	243-244-343-344-443-444-543-546-642-643-644-645-842-843	11-44140	25.99
IHC	176-279-C91	All 800 Series Heads	11-44140	25.99

6V OR 12V TRACTOR/UTILITY LIGHTS

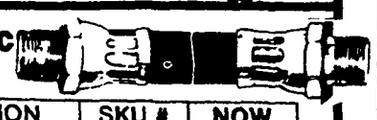


- Throws Brilliant Diffused Beam
- Black Enamel Finish
- Lead Wires Included

02-83810/83828

YOUR CHOICE **7.99**

HYDRAULIC HOSE



DESCRIPTION	SKU #	NOW
1/2" 1 WIRE 96"	18-11967	10.99
3/8" 2 WIRE 96"	18-10050	11.99
1/2" 2 WIRE 96"	18-19965	12.99

FARM BODY COVERS

- 18 Oz. Vinyl Coated Polyester
- 12" Drop Front, Sides, Rear
- Square Formed Nose
- Wrap Around Rear
- High Tear Strength
- 2 Year Warranty
- White Only

	NOW
14' Farm Body Cover 30-12103	99.00
15' Farm Body Cover 30-12111	109.00
16' Farm Body Cover 30-12129	119.00

SUBJECT TO STOCK ON HAND, LIMITED QUANTITIES!

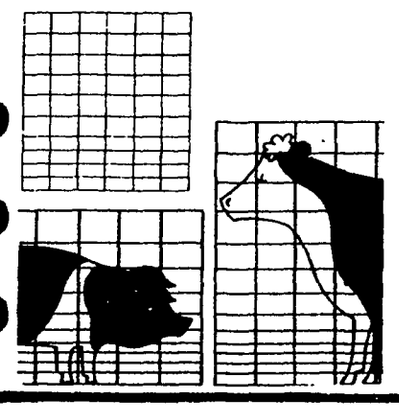
FEED LOT PANELS

- Heavy Duty ¼" Rod
- Galvanized Provides Resistance to Corrosion

34"x 16' HOG PANELS 30-10325 — **14.99**

52"x 16' COMBINATION PANELS 30-10341 — **18.69**

52"x 16' CATTLE PANEL 30-26538 — **16.99**



15½ GA. 4 PT. BARB WIRE

- 80 Rod Roll
- Made from Higher Carbon, High-Tensile Steel 36-15333

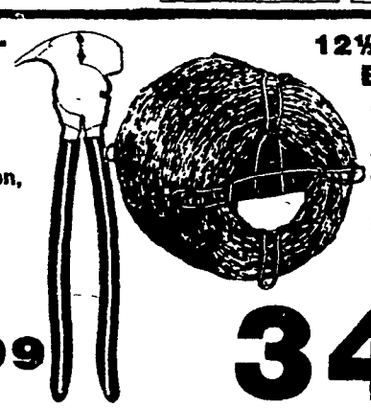
23.49

FENCING TOOL

- Forged Steel
- Safety Grip Handles

38-93363

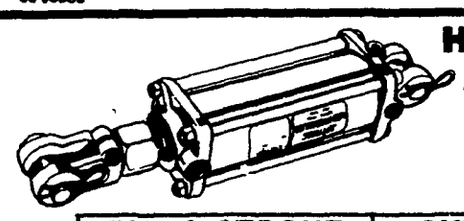
4.99



12½ GA. 4 PT. BARB WIRE

- 5" Barb Spacing
- 80 Rod Rolls
- Made in the U.S.
- Approximately 87 Lbs. per Reel 36-15090

34.69



HEAVY DUTY DOUBLE ACTING CYLINDERS

- 2,500 Lbs. Working Pressure
- Up to 4,000 Lbs. Surge Pressure
- Built to A.S.A.E. Standards
- Tie Rod Construction

DIA. & STROKE	SKU #	SALE
3 x 8	18-31446	49.99
3½ x 8	18-31488	59.99
4 x 8	18-34606	76.99

STUDDED "T" POSTS

- Most Popular Sizes In Stock
- Heavy Enamel Finish Resists Rust

5½' 36-09015	$2.25
6' 36-09023	$2.45
6½' 36-09031	$2.65

VENTILATING FANS

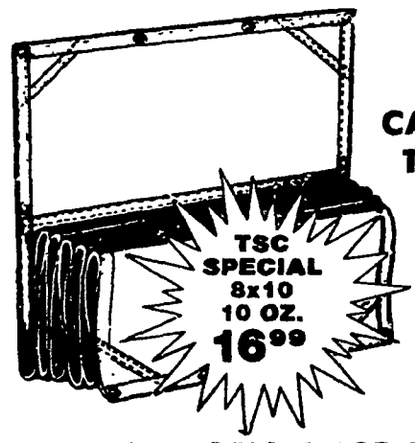
- East to install
- Automatic Shutter Seals out Weather when Fan is Not in Use.
- Totally Enclosed Motor for Trouble Free Operation

12" 32-40308	16" 32-40324
$69.99	$89.99
20" 32-40340	24" 32-40366
$99.99	$149.99

LIGHTWEIGHT POLYTUFF TARPS

Description	SKU #	NOW
6' x 8'	30-12153	4.99
8' x 10'	30-12161	8.49
9' x 12'	30-12179	10.99
12' x 14'	30-12187	14.99
16' x 20'	30-12200	32.99
20' x 30'	30-12218	54.99

CANVAS TARPS



QUALITY PROTECTIVE COVERINGS

- Weather and Water Resistant, Rot and Mildew Resistant

DESCRIPTION	STOCK#	NOW
	10 OZ.	
6x8	30-10216	12.99
7x9	30-10224	14.99
8x10	30-10232	16.99
8x12	30-10258	22.99
10x12	30-10290	24.99
	12 OZ.	
8x10	30-10563	22.99
10x14	30-10355	36.99
10x16	30-10339	44.99
12x14	30-10347	44.99
12x16	30-10598	52.99
12x18	30-10614	59.99
12x20	30-10622	66.99

SINGLE SPOOL CONTROL VALVE

- Returns to neutral when released

18-20364

$44.99

POLY FILM

6 MIL		
DESCRIPTION	STOCK#	NOW
20x50 BLACK	30-05669	21.99
20x100 BLACK	30-05651	37.99
24x100 BLACK	30-05677	46.99
32x100 BLACK	30-05716	59.99
40x100 BLACK	30-05732	79.99

- Tough, Waterproof, Rot Proof

4 MIL		
DESCRIPTION	STOCK#	NOW
3x50 BLACK	30-05326	2.99
3x50 CLEAR	30-05318	2.99
10x25 BLACK	30-05211	3.99
10x25 CLEAR	30-05114	3.99
16x100 BLACK	30-05350	20.99
20x50 BLACK	30-05368	14.99
20x100 BLACK	30-05376	24.99

- Poly Film For Many Uses Around The Home, Construction & Agriculture

TOWN, 10[illegible] W. Schuylkill Rd., 215-327-4465, n.-Thurs. 8-6; Fri. 8-8; Sat. 8-5

YORK, 2400 West Market St., 717-792-3676, Mon.-Thurs. 8-6; Fri. 8-9; Sat. 8-5

MARYLAND, WESTMINSTER, 119 Railroad Avenue, 27 East Manchester Road, 301-848-2060, Mon.-Thurs. 8-6; Fri. 8-8; Sat. 8-5

Prices quoted are good 'til expiration date. We reserve the right to limit quantities, and to correct printing errors. Prices subject to stocks on hand.

Dauphin County DHIA Monthly Report

dhia — Pennsylvania Dairy Herd Improvement Association

July, 1983
Rolling Herd Average

OWNER	BREED	NO. COWS	LBS. MILK	LBS. FAT	
Restful Acres	H	89 5	20,964	730	653
John Hertzler	H	78 9	18,347	676	589
Roy M Brubaker	H	72 8	18,609	654	585
J Melvin Brandt	H	72 0	16,754	634	514
Earl Campbell	H	53 7	16,142	623	500
Robert H Beach Jr	H	46 1	16,441	623	539
Catalpa Farms	H	131 1	19,119	623	601
Robert J Schaffer	H	61 7	17,645	620	546
Larry L Boyer	H	26 1	16,658	619	521
Crissinger Dairy Farm	H	81 4	16,421	618	536
John Roy Book	H	67 2	16,790	613	516
Conewago Farms	H	45 3	15,846	612	514
Roy C Wilbert	H	36.2	17,840	608	560
J Richard Alwine	H	58 6	16,527	606	519
Elwillo Farms	M	130.1	16,537	602	515
Calvin B Mauser	G	68.7	12,985	599	471
Mahlon L Lehman	H	55 0	16,508	593	511
Dondal Engle	H	75.1	16,249	587	509
Wilmer Campbell	G	62.9	13,197	585	434
Wil-Lene Farms	H	65 8	17,355	584	523
Arthur Brandt	H	100.4	15,583	582	474
Robert Oellig	H	37.3	15,504	581	507
A Grand View	H	117.1	16,464	578	532
Stoney Lawn Farms	H	59.5	16,634	574	525
Harold M Nissley	H	44 2	17,111	566	501
Great View Farms	H	52 4	16,206	563	505
Lytle Farms Inc.	H	99.3	16,534	561	519
Amos Esh	H	41.9	15,286	550	459
Dale F Faust	H	39.5	16,172	545	502
Sher Mar Acres	H	48.0	14,824	545	447
James Lesher	H	42.0	14,353	534	442
Noah W Sauder	H	43.9	15,064	532	472
Homer Campbell	H	84.3	14,365	518	475
Lauden Farms	H	155.0	14,484	517	457
Paul E Clugston	H	95.3	14,236	514	436

(Turn to Page F23)

Conservation grazing permitted

WASHINGTON, D.C. — The U.S. Department of Agriculture today issued special provisions that will allow producers in some drought affected counties to graze their own livestock on their own conservation use acreage.

Conservation use acreage is cropland that has been removed from production and devoted to approved cover as a requirement for the acreage reduction program, paid diversion and the payment-in-kind program.

Requests for permission to graze should be made to county offices of USDA's Agricultural Stabilization and Conservation Service, according to Deputy Secretary of Agriculture Richard Lyng. Approval for the special grazing provisions will be on a county-by-county basis.

If approval for special grazing is granted, county ASCS offices immediately will notify all producers. Producers interested in conservation use acreage grazing then must notify county ASCS offices of their intentions.

Lyng said USDA is aiming at a "24-hour turnaround" in getting approval back to the counties affected. "ASCS will give these requests highest priority," he said.

These special provisions are for conservation use acreage only, and do not apply to wildlife acreage. Grazing will be restricted to livestock owned by the producer as of Aug. 1.

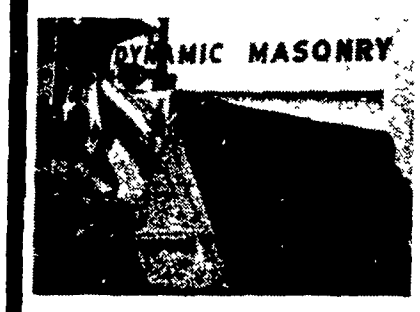
A producer may not let another use his conservation use acreage; it must be his livestock on his land. The permitted grazing may not remove cover to the extent that the acreage would lose its protection from weeds and from wind or water erosion, Lyng said.

These provisions take effect immediately and will apply for the remainder of the county's six-month non-grazing period.

CONSTRUCTION

SPECIALISTS IN:

FARM BUILDINGS - EXCAVATING
MANURE PITS - SEPTIC TANKS



Excavating

- DRIVEWAY STONING
- SEPTIC TANK & DRAIN FIELDS
- SNOW REMOVAL IN SEASON
- MANURE PITS
- POND WORK • FIELD WORK

- FREE ESTIMATES -

— SPECIAL FARM PRICES —

DYNAMIC MASONRY CONTRACTORS

Gordonville, PA

Mike Fisher — Larry Herr

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After 6 PM, Call (717) 687-7217

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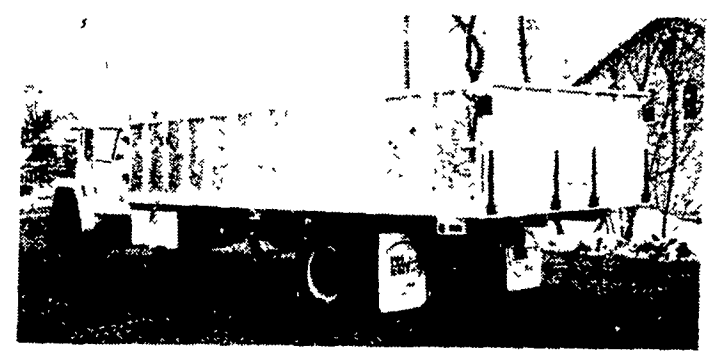
Manufacturer of ALL ALUMINUM TRUCK BODIES

Livestock, Grain and Bulk Feed



Aluminum Grain Body

Distributor of TIMPTE Refrigerated Trailers

Sales & Service

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THE MOST UNIQUE - PROFITABLE

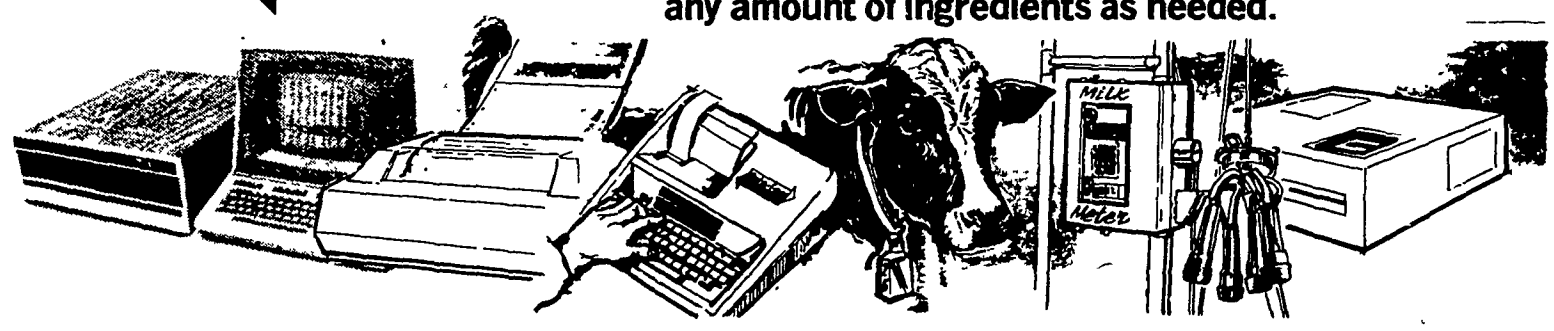
DAIRY COMPUTER SYSTEM

With Dairy-Matic 2 Ration Feeders

Register To WIN!

Data-Feed™

Guaranteed to handle corn silage, total mixed ration w/limited haylage, high moisture shelled and ground ear corn with husk, concentrates and premixes. Dairy supply tank with automatic bottom unloader. Continuous flow mixer automatically meters and mixes any amount of ingredients as needed.



DATA-FEED utilizes the easy-to-operate Rockwell AIM 65 computer, built to last by the space shuttle people. It feeds one ration, or any combination of two rations, all at the same feeder. Instant printouts track feeding activity of individual cows and the entire herd. An alarm list identifies non-eaters and partial eaters. Herd management is made easy with DATA-FEED's new cow calendar printout.

Stainless Steel Dairy-Matic Feeders built especially for high moisture corn.

Users report up to $20/cow per month increased cash flow with computer system by maximizing production & minimizing feed costs. Equipment costs from **$79.00** per cow, or montly lease plan payments from **$1.75 per cow.**

DON'T BUY ANY COMPUTER BEFORE YOU COMPARE OUR LOWER PRICES AND UNIQUE FEATURES

WIN A 90-COW DATA-FEED SYSTEM WORTH $12,000!!

Complete the coupon for our October, 1983 drawing for a DATA-FEED system. Consists of one computer, three feeders with electronics, 90 cow actuators and rings, and 200 feet of hookup cable. No purchase necessary.

DRAWING WILL BE OCT. 1, 1983

* Employees of DATA-FEED, INC. DATA-FEED distributors and their employees not eligible. Winner must: (A(Be a bonafide owner (or operator) of a dairy operation in the U.S. or Canada; (B) Prepare a suitable site with 110 volt service, provide three stalls and install three feeders all within 90 days of October 1, 1983 drawing; (C) Agree to install and begin using the equipment within 90 days of drawing

DATA-FEED DRAWING COUPON

Please rush information on

_____Computerized Feeding System
_____Computerized Milk Metering
_____Computerized Herd Management

HERD SIZE _____
NAME _____
ADDRESS _____
TOWN _____
COUNTY _____
STATE _____ ZIP _____
PHONE _____

For information & to enter drawing, mail this coupon to Martin Distributors

For More Information, Call Or Write:

MARTIN DISTRIBUTORS, INC.
520 Prescott Rd. Lebanon, PA 17042
(717) 866-4906

Dauphin Co. DHIA

(Continued from Page F22)

Oel Dell Farms	H	36.8	13,908	508	427
Floyd Feidt	M	71.1	13,519	506	428
Bryncoed Farm Jersey	J	136.3	10,400	506	403
Walter Schaffer	H	29.3	12,850	502	372
Stanley R Long	H	84.8	13,543	501	403

305 Day Lactation Records Above 600 Lbs. Fat

OWNER NAME OR NO.	AGE	LBS. MILK	% FAT	LBS. FAT
John Hertzler				
Jennie	5-2	18,654	3 6	663
Venica	3-2	19 792	3 0	603
Conewago Farms				
Fern	7 4	17,537	3 5	619
119	7-3	17,639	3 8	662
113	4 8	17,253	4 2	716
Robert Oellig				
Sylvia8	6-9	20,486	3 5	719
G Nelie	6 10	19,619	4 5	891
Won 2	5 6	16,345	3 9	636
Nelda 11	3 7	18,830	4 3	807
Luscios	4-0	14,355	4 3	623
Robert J Schaffer				
Clarbel	4-6	17,854	3 5	617
Tolly	4-1	18,229	3 3	602
John Roy Book				
Rocky	8-7	20,973	3 2	672
Lindy	5 1	17,372	3 8	657
Lytle Farms Inc				
Leola	8-7	18,513	3 5	649
Crissinger Dairy Farm				
Melody	8-9	20,256	3 7	758
Amega	8-1	20,662	3.5	714
Kelly	5-10	15,480	4.2	645
Lottie	5-1	14,344	4.4	636
Rhonda	4-6	18,189	3.6	648
Shirley	2-2	16,345	3 8	614
Leah	2-0	13,871	4 4	610
Sadie	2-3	17,116	3.5	605
Marty	2-2	15,267	4 0	614
Floyd Feidt				
Fannie	9-9	14,842	4 7	691
Christy	5 7	17,216	4 0	683
Mahlon L Lehman				
Paula	4-6	15,238	4 2	633
J Melvin Brandt				
Bev	6-2	26,429	3.5	913
Gladys	5-10	17,667	3.7	654

(Turn to Page F24)

ABS® AMERICANA
October 6 at the World Dairy Expo
AMERICAN BREEDERS SERVICE
Division of W R Grace & Co

VALIANT

99 AND 99

Repeatability **Percentile**

29H2851 S-W-D VALIANT EX-93-GM USDA 7-83
99 RPT. 1803D. 1052H. PD +2289M -.02 +80F +293$
HFA 7-83 +1.93 PDT 98 RPT. +740 TPI

The Incredible VALIANT has stood the test of time. VALIANT is the only bull to be in the 99th Percentile (the Top 1 percent of all Bulls for PD$) and to also be 99 percent repeatability. On top of this VALIANT is also plus 740 TPI and +1.93 PDT at 98 percent repeatability. Ask your ABS Representative for VALIANT, the most reliable investment you can buy for your breeding program.

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Coburn, PA	Wendel Musser	814-349-5310
Columbia, PA	James Charles	717-898-8694
Dornsife, PA	Steve Kieffer	717-758-1714
Ephrata, PA	Darvin Yoder	717-733-0966
Holtwood, PA	Paul Herr	717-284-4592
Lebanon, PA	Paul Martin	717-949-2381
Leola, PA	Lynn Gardner	717-656-6700
Linden, PA	Larry Bower	717-323-9710
Mansfield, PA	Harold Robson, Jr.	717-662-7731
Mifflinburg, PA	John M. Beachy	717-966-1344
Mifflintown, PA	Mervin Zendt	717-436-6386
Millville, PA	Wilmer Hendricks	717-458-5949
Prospectville, PA	William Tyner	215-542-8479
Reedsville, PA	Chester G. Selfridge	717-667-3181
Stewartstown, PA	Tom Engle	717-993-6836
Thomasville, PA	Ira Boyer	717-225-3758
Ulysses, PA	Bonnie Barker	814-848-7674
West Grove, PA	Brian Geesaman	215-869-9187

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Pen Yan, NY	Calvin Crosby	315-526-6144

IN DELAWARE

Kirkwood, PA	Dan Rush	717-529-6548

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Elmer, NJ	Cyndy Hetzell	609-455-8187
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Port Murray, NJ	Robert Kayhart	201-689-2605

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Mt. Airy, MD	Allan Pickett	301-663-4191

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Draft-free and oxygen-rich outside air to increase livestock comfort, improve feed efficiency and reduce the risk of disease and weather Systems to fit any building

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Provide new comfort and safety for every valuable animal in your herd Many stall design systems, adaptable to your barn layout and dairy operation

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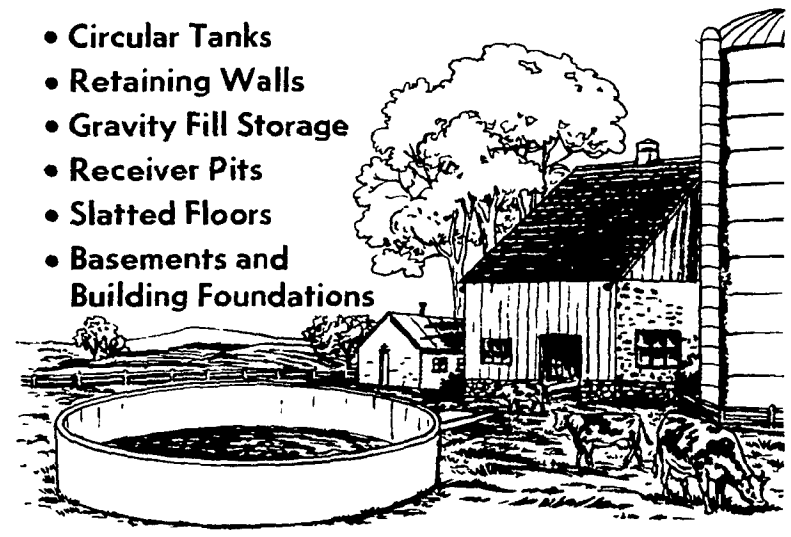

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Dauphin Co. DHIA

(Continued from Page F23)

Eileen	5-5	21,577	3.0	655
Gina	4-10	18,934	4.3	817
Jolene	4-11	15,707	4.0	627
Betrice	4-3	21,772	3.8	817
Stella	4-8	18,823	3 9	72'
Shelly	3 5	15,68?	.0	(
Harold M Nissley				
Signe22	4-10	22,807	2.8	639
Babs	4-2	23,084	2 7	629
Catalpa Farms				
168	3-5	25,196	3 1	777
167	3-5	16,359	3 8	620
176	3-2	19,576	3.5	676
251	2-0	19,660	3 2	638
237	2-1	18,007	3 6	641
Stanley R Long				
Beth	6-0	18,640	3 4	643
Tina	5-1	15,766	4 1	642
Restful Acres				
Melissa	9-8	19,537	4 0	773
Katiko	8-0	23,840	3 3	792
Natasha	6-0	21,140	3 7	790
Daisy	5-0	23,035	4.2	970
Donna	4-0	20,238	4.0	811
Buck	3-10	24,583	3.2	788
Bread	3-0	23,533	3 8	901
Surpris	2-9	21,927	3 0	788
Bena	3-1	16,749	4 0	674
Jane	2-9	19,819	3.8	761
Elsie	2-8	16,904	3.7	633
Mitsy	2-4	18,400	3.4	625
Kitten	1 10	23,324	3.2	735
Lauden Farms				
124	5 5	18,036	3 6	652
Donald Engle				
5	7-6	17,648	4 4	779
33	6 1	18,546	4 0	741
41	5-1	14,996	4 3	638
65	5-5	18,962	3 4	640
Great View Farms				
Saphire	9 6	21,022	3 6	752
Maud	4 6	20,221	3 3	659
Earl Campbell				
103	6 10	18,433	3 4	629
140	6-4	15,302	4 0	610
124	3-9	19,236	3 2	608
Roy M Brubaker				
Lyn 38	10-2	20,061	3 3	669
Lena 58	4-9	18,555	3 3	607
Orpha51	2 3	15,770	3 8	600
Sher Mar Acres				
130	1 11	13,055	3 7	486
Raymond Belack				
Tabatha	4 3	14,748	4 1	600
Wil-Lene Farms				
51	5 10	16,042	3 7	600
19	3 7	17,477	3 5	603
Roy C. Wilbert				
Willa	3 11	19,401	3 4	653
Jackie	4 0	20,802	3.6	759
Jeff Rode				
35	7-1	18,423	3.3	605
45	3-10	19,114	3.7	706
Oel-Dell Farms				
33	4-9	16,825	3 7	623
38	5-10	19,095	3.3	631
70	6-9	17,595	3 6	625
71	6-10	21,653	3 1	679
A Grand View				
13	6-11	19,128	3 5	671
92	3-2	21,985	3.4	750
97	5-4	22,259	3 5	782
David Stoltzfus				
41	4-5	19,504	3 4	659
Amos Esh				
40	4 4	18,861	3.2	612
Noah W Sauder				
18	5-10	20,414	3.5	710
Arthur Brandt				
Ida	8-0	13,526	4.8	647
Chime	5-11	15,178	4.6	699
Kelly	5-7	18,865	3 5	660
Asta	5-6	16,410	4.0	655
Betty	4-3	22,162	3.2	713
Jane	3-7	16,308	4.0	658
Wendy	3 11	15,739	3.8	601
Robin	3 2	17,646	3 5	612
Jody	3 4	16,101	4.1	662
Elwillo Farms				
71	11 10	20,062	4.0	796
177-R	3-8	17,983	3.7	666
3-G	4-8	20,565	3.6	747
21	2-8	13,506	4 5	606
Larry L Boyer				
Dimples	5-8	18,593	4 4	811
Evie	4-2	16,702	3 9	655

Luzerne Fair increases judging

DALLAS, Pa. — The Luzerne County Fall Fair is approaching fast and includes many new sections and classes fo agriculture producers. Included in this year's open class section is dairy cattle, beef cattle, sheep, swine, poultry - eggs, rabbits, hay-grain, and apiary products.

The open class premium grade was recently published; if you would like a copy contact Back Mt. Jaycettes, P.O. Box 24, Dallas, PA 18612.

The Luzerne County Fair will be held Sept. 7-11 at the Luzerne County Fairgrounds, Route 118, Dallas. Livestock Entries must be entered by 2 p.m. Friday, Sept. 9. All other exhibits must be entered by 9:00 p.m. Wednesday, Sept. 11.

Livestock entry forms can be obtained by contacting Donna Skog, Courthouse Annex, 5 Water Street, Wilkes-Barre, PA 18711 or call 825-1706 or 459-0736, Ext. 706.

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DON'T WASTE IT - ROAST IT

Moldy or Musty Corn
Have it restored to usable condition by roasting.
Barley and Wheat
Roasted For Drying
And Better Digestibility

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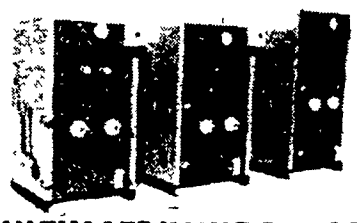
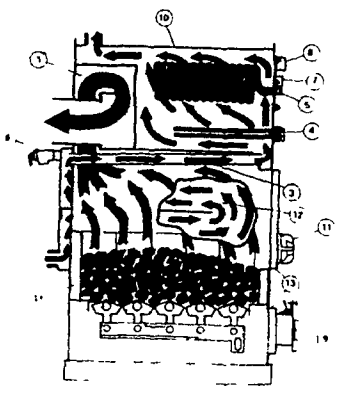


THE ULTIMATE IN WOOD/COAL
BOILERS, FURNACES & FREE STANDING STOVES
(Available to plumbers at wholesale price)



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Contact us at Hershey Equipment Co. about our hog equipment. It takes a lot of planning, knowledge and experience to develop a profitable confinement operation. We will assist you in the planning and recommend the most efficient arrangement of equipment. This service we provide will blend the building and equipment together to form a practical, labor saving, economical hog system for top quality hogs.

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Gestation Systems
reduce stress and the opportunity for fighting

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are designed with both the sow and farmer in mind.

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are designed using top quality penning and feeders.

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include pig rearing cages or penning equipment.

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DESIGNERS OF QUALITY SYSTEMS FOR POULTRY, SWINE & GRAIN HANDLING.

Stoltzfus attends Agway seminar

Melvin R. Stoltzfus, of Lancaster, was one of over 40 Agway farm systems salespersons who attended a three-day seminar in Syracuse recently.

One of the highlights was the introduction of the new Agway Cattle-Code computer system which allows dairy farmers to feed individual cows for optimum milk production and highest milk-to-feed ratio.

The Cattle-Code feeder has been extensively tested at the Agway Farm Research Center near Tully, N.Y. The modular system consists of an identifier worn around the neck of the cow which activates a computer controlled feeder when the cow enters a special feeding station. A measured portion of feed is released to the cow by the computer activated feed auger. High producing cows in the dairy herd can thus be provided with additional concentrates for optimum milk production.

The computerized feeding system will be discussed with local dairy farmers soon along with other new livestock management equipment and systems including a biogas generating unit developed, tested and marketed by Agway.

The farm systems seminar is held annually together with other training sessions throughout the year to provide the latest information on technological advances to be passed on to Northeast farmers for possible adaption in their own farming operations.

Melvin R. Stoltzfus, Lancaster, inspects Cattle-Code computer feeding system at Agway Research Farm.

Conservation on view

AG PROGRESS — A program on how farmers can get the most products out of their woodlot will be one of the many features of the Conservation Education Tours during Penn State's Ag Progress Days.

Soil and water conservation practices will be stressed in the bus tours of the conservation research area which will be available each day from 11:00 a.m. to 4 p.m. Demonstrations will include ways to reduce erosion, improve water quality, and improve pastures.

The amount of conservation planning materials has been expanded in the area tent, and grassland exhibits will also be on display. A College of Agriculture expert on conservation plants will be on hand at all times to answer any of your questions.

Visitors can see more than 30 different soil conserving plants on display, says Frederick Bubb of the U.S. Soil Conservation Service, Harrisburg, and chairman of the conservation education committee. The special plant display is being prepared by Dr. Guy W. McKee, Penn State professor of agronomy, in cooperation with the USDA Soil Conservation Service's Plant Materials Center in Big Flat, New York.

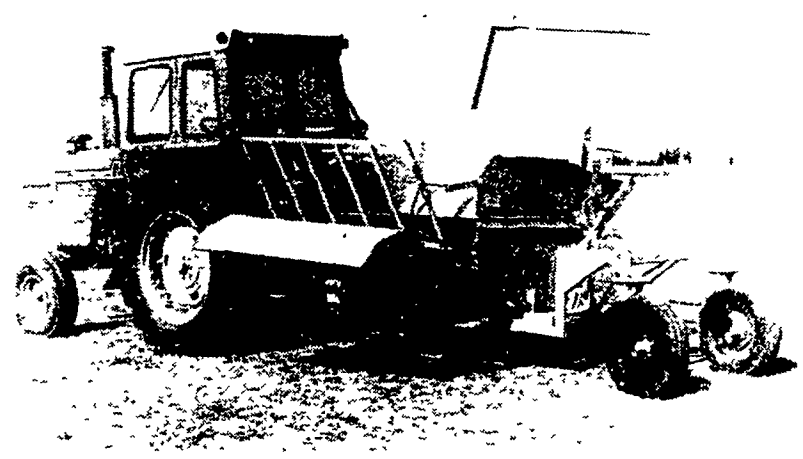
Bale Buster introduced

PELLA, Ia. — A new, innovative way to shred and feed big round bales in the field - the Bale Buster - has just recently been introduced by Vermeer Manufacturing Co., Pella, Iowa.

The Vermeer Bale Buster is completely operated from the tractor seat. A hydraulic fork lifts the bale from the ground into a shredder equipped with heat-treated knives. A flow control valve regulates the grinding or shredding action for fine or coarse feed.

Then, the Bale Buster lays the hay out in easy-to-feed windrows, or delivers it directly into the feed bunk with a special, optional bunk feeder attachment. The 2760 lb. (1250 kg) unit also handles all types of bedding or mulching material for easy delivery into loafing sheds and on land reclamation sites.

The Bale Buster handles a package up to 5½ feet (168 cm) long, 6 ½ feet (198 cm) in diameter and up to 1500 lbs. (680 kg). A minimum 50 hp Category II 3-point tractor is recommended. When used on smaller tractors, 3-point rating must be at least 4000 lbs. (1812 kg).



Vermeer Bale Buster is completely operated from tractor seat.

New auctioneer

Joe F. Felice, 104 Locksley Road, Glen Mills, has returned from Kansas City, Mo., where he successfully completed the course in Auctioneering and Auction sales Management at the Missouri Auction School.

He received his diploma and the honorary title of Colonel along with men and women auctioneers from throughout the United States and Canada.

The concentrated two week course is conducted by the Missouri Auction School at the world's largest auction training center in the Kansas City Stockyards. His training included lectures and work-shops featuring prominent auctioneers from throughout America.

He is shown receiving his diploma from Col. Richard W. Dewees, president of the school.

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LIQUID FERTILIZER

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Our Total Fertilizer Program Includes:

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- Free Storage
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Take Advantage Of Our Special Pricing Program.

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CONSIGNMENT HORSE SALE

SATURDAY
AUGUST 27, 1983

11:00 A.M. Sharp

Keister's Middleburg Auction Sales, Inc. Rt. 555 3 miles East of Middleburg, Pa. 5 miles west of Selinsgrove, Pa.

Work Horses

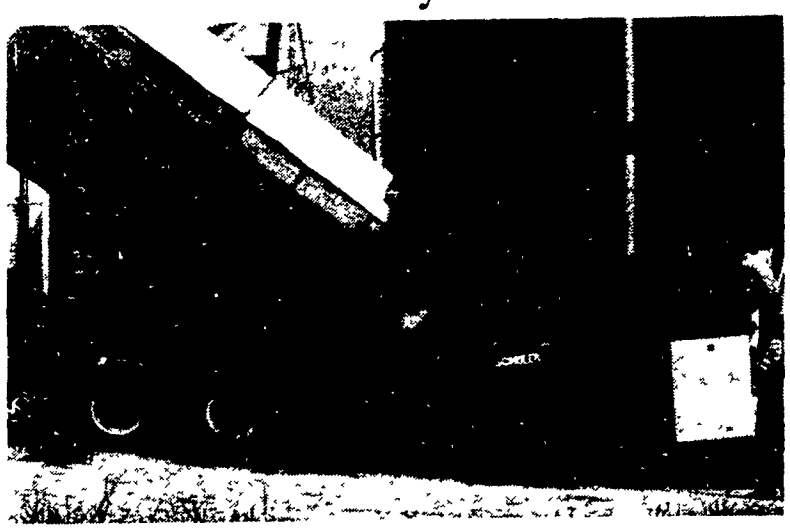
Several load sharp standardbred Driving Horses.

For information call: 717-922-1490 or 717-837-2222 or 717-523-6300.

Keister's Middleburg Auction Sales, Inc.
Rt. 522 R.D. 3 Middleburg, PA
Owners,
DON & WALT KEISTER

Ray Long & Dave Imes, Auctioneers
Terms: Cash Trucking Available Restaurant Open

Stationary feeder



The new Model SF16 stationary feeder from Schuler Mfg. & Equip. Co., Griswold, Ia. is designed to feed silage or grain into the blower while the hauler is being used to transport more.

The all-hydraulic drive can be adjusted to handle what the blower can process. The floor apron can be run independent of cross conveyor and beaters. The same tractor can be used to power the blower or grinder and the Stationary Feeder.

Pa. Pork Producers act on market glut

KUTZTOWN — Supplies of pork are increasing with an abundance of pork coming to market this fall, according to the Pennsylvania Pork Producers Council. At a recent meeting, the Council adopted several resolutions to deal with the over supply, including the National Pork Producer's Council (NPPC) "PORK 4 PROGRAM", designed to manage two market factors — supply and demand.

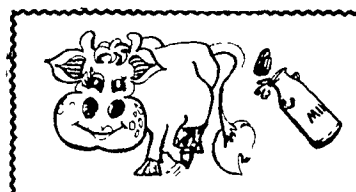
"Needless to say, the supply is with us," according to Abe Fisher, PPPC Director, and Lancaster County hog producer. "Predictions of an 11 percent increase in hog marketings the last two quarters will add a pile of pork to the already burdensome supply. "However", Fisher explained, "pork producers can help themselves by maintaining or reducing breeding herd numbers, which will help the long-term supply situation." Fisher explained that "more immediate results will be seen by marketing hogs at lighter weights.

A reduction of the average weight of every hog in the United States by 10 pounds reduces the total pork supply by 15 million pounds per week. It also improves production efficiency and increases lean yield percentage. "Thus, that total mountain of pork can be reduced NOW by reducing marketing weights and later by reducing breeding herd numbers," Fisher said.

The demand side of pork is just as manageable if funds are available to create demand and move more pork, according to the NPPC. Traditionally October is the busiest month for producer-funded pork promotions. This year is no exception, with television, radio and newspaper advertising being used heavily to emphasize the tremendous nutritional and economic value of pork.

Through producer participation in Pork Check-Offs, nine million new pork users have been found since 1980. Those new users will be around this fall to consume the pork available. Demand can be created through promotion by NPPC and PPPC, but it has be be funded by individual pork producers. "Make sure to support the check-off", Fisher said. "It is your best hope for a positive influence on the marketplace that provides your livelihood."

For more information concerning pork marketing and promotion, contact the PA Pork Producers Council, R.D. #2, Box 219, Kutztown, PA 19530, or the PA Meat Marketing Program (PMMP), Bureau of Markets, PA Department of Agriculture, 2301 North Cameron Street, Harrisburg, PA 17110. The PMMP is a cooperative program among livestock and agricultural organizations and the PA Department of Agriculture.



BREAKING MILK RECORDS!
Lancaster Farming Carries DHIA Reports Each Month!

PUBLIC SALE
OF PERSONAL PROPERTY

To be held at McLaughlins Auction House, 440 Ramsey Avenue, Chambersburg, Pa. on

FRIDAY EVE., AUG. 26, 1983 7 P.M.
SATURDAY, AUG. 27, 1983 9 A.M.

FURNITURE
Oak bed; 2 oak screens; oak chest of drawers with mirror; cab rockers; oak stand; oak washstands; oak table; dropleaf table; wicker rocker; solid end soft wood cottage dresser; Empire round stand; 1 drawer nite stand; Duncan Phyfe extension table; 6 mahogany dining room chairs; buffet; oak Singer sewing machine; solid end jelly cupboard; good porch settee; bucket bench; childs piano; doll cradle; spool stand; cane seat chairs; Empire chest of drawers; cane seat rockers; ferneries; stools; camel trunks; small pine blanket chest; cedar blanket chest 36" high, 54" long & 24" wide; 2 swivel rockers; walnut stand; bed; gas stove; benches; Maytag wringer washer; lawn & lounge chairs; maple bed; nite stand; plank bottom chair; studio couches; soft wood stand; wall hugger; breakfast set; etc.

CHINA, GLASS, CROCKERY
21 pink glasses; pink pitcher; 8 pink serving dishes; Fostoria glass; cut glass; vasolene; China serving dishes; blue willow ware; pigeon blood red dishes; Compotes; Coke stands; berry sets; hand painted Nipon; cruetts; opelescent dishes; good ironstone; basket joint set of dishes; occupied Japan. Rebecca at The Well tea pot; early decorated red ware bowl damaged; Carnival glass; Copper Luster; 6 Lamoges cups & saucers; goblets; salt & peppers; nice 4 piece dinner service; gold banded stem ware; blue cake set; nice 95 piece set of China dishes; washbowl & pitcher; buffet lights; Easter eggs; glass toys; cabinet jars; Pyrex plates; marbles; 12 gallon crocks; crocks; jugs; jars; milk glass; Centenniel bottles.

MISCELLANEOUS
Oak 8 day kitchen clock; old radio; Coo-Coo clock; collection of good brand toys; collection of banks; tin toys; collection of modern dolls; Celloid animals; old monkey doll; large collection of John Deere toys; metal clock; train; Lux alarm clock; 2 sets of silverware; large brass school bell; brass bowl; collection bubble bath bottles; what-nots; what not racks; brass church hanging lamp; coffee grinder; smoothing irons; fire place set; table, floor, pole, dresser and china lights; bird cages; wood clothes dryer & rack; hamper; washrubber; fruit dryer; barrels; 2 electric window fans; storage boxes; 2-quilting frames; cookie cutters; corn huskers; corn chopper; tin pieces; Christmas decorations; revolver; 22 rifle; crimping iron; large mirrors and pictures; binoculars; camera; childs knife & fork; old print set; pots; pans; kitchen utensils; skillets; sugar buckets; basket; sewing cabinet; old Monarch Pioneer typewriter; bicycle; tubs; Sterling candle sticks; stereo; 10'-6" x 15 rug; doilies; rag carpet; lot new and used flatted rugs; rug rags; 2 Adderdown comforts; comforts & quilts such as Log Cabin, Star, Basket, Lone Star and others; bed spreads; counterpanes; pillow throws; old clothes; 2 long linen table clothes; mattress and springs; shoe stand & lasts; 3 good pocket watches.

TOOLS, OUTSIDE ITEMS
2 work benches; table saw; buffer; lathe; drill press holder; emory on stand; good electric drills; extension cords; skill saw; jig saw; breast drill; many hand tools; 4 vices; planes; furniture clamps; nails screws; sledge; electric trimmers; lathe tools; socket set; saws; garden tools; meat bench; scales; lawn edger; meat saws; garden hose; 1 wheel garden tractor and equipment; garden plow; lawn spreader; 2 Lawn Boy rotary mowers; snow blower; duster; wheelbarrow; boxes; step ladder; jacks; pitcher pump; ice hook; digging iron; block & tackle; ½ mower; traps; coal buckets; push mowers; trellases; etc.

AUCTIONEER NOTE: Folks on this sale we have about everything. Wertzs are moving from the area. I would say the offering is in excellent condition.

TERMS CASH.

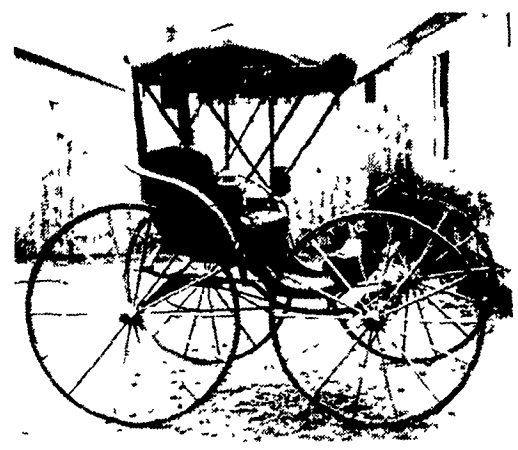
HARVEY & HANNAH WERTZ

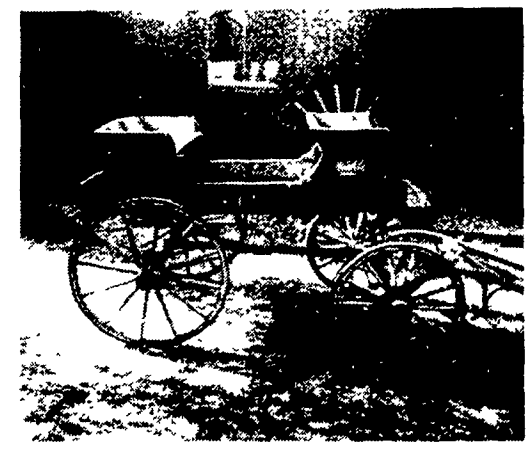
Auctioneer — J. Robert Meyers

MARTINS SUMMER AUCTION
of
CARRIAGES, SLEIGHS & ANTIQUES

August 25, 26 & 27, 1983
Starting 9:30 AM Each Day

Located at: Martins Sales Pavilion Two miles East of Intercourse, Lancaster County (Corner of Route 340 & New Holland Road), Pennsylvania.





Approx. 300 horse drawn vehicles in restored, new or original condition, pony & Horse size, will be sold during the three days. They include: Hay & farm wagons; express wagons; Landaulette; road coach; sev. spider phaetons; slat side phaeton & other styles of phaetons; doctor's buggies; Brewster brougham; runabouts & democrats; meadowbrook cart; breaking carts; Stanhope gig; coupe rockaway; omnibus; chuck wagon; C-spring barouche; C-spring chaise; pony sailor wagon by Studebaker; traps; Geo. IV phaeton by Brewster & Co.; roof seat break; other commercial vehicles; 2 & 4 pass. sleighs (some on bobs); 4 & 6 pass. surreys; ammunitions caisson; to name a few.
Misc. horse related equipt. & items include: 8-horse hot walker w/variable speed drive motor; natural wood dog tread power w/pulley brake, in good orig. cond.; life size fiberglass horses; coaching books & periodicals; carriage lambs; foot warmers; asst. of bits, rosettes & harness parts; sgl. & dbl. sets of new & used harness; 4-in-hand russet pony harness; saddles & bridles; numerous carriage & wagon parts; tie weights; poles & shafts; prim. & blacksmith tools; feed & water troughs; running gears; horse drawn farm machinery; baby carriages (some wicker); miniature wagons & sleighs; hand drawn baker's cart; hand drawn peanut wagon & many other items. of interest for the collector.

One session on Thurs. (Aug. 25) starting at 10 AM will include many misc. antiques & antique furniture of good quality. Colonial style dining room suite; general store items; ice boxes; washstands; hall racks asst. of rockers & chairs; walnut blind china closet; oak library table; old high chair; tilt top table (mahogany); sideboard with beveled mirror; some china & glassware; primitives; display cases & many more items. Consignments for this session will be accepted until the start of the auction.
4,000 to 5,000 lots have been accepted for this auction of interest to collectors; restorators & builders; antique dealers; interior decorators; farmers; coaching & driving enthusiasts & the equestrian. Plan to attend the three days starting at 9:30 AM, each day until late in the night. Good food is available on the auction grounds. Reserve seats are available by contacting the office.

TERMS: CASH, CERTIFIED CHECKS OR TRAVELERS CHECKS IN U.S. CURRENCY ONLY.

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HOUVALE FARMS

11th Yorkshire Production Sale

SEPTEMBER 9, 1983

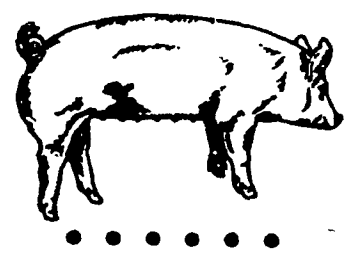
SALE 6:30 P.M.

LOCATION: Lebanon Area Fairgrounds, Evergreen Road and Cornwall Road, Rocherty Road East off of Route 72, Lebanon, Pa.

Upgrade your Sow Productivity with Purebred Hogs.

The only people who really care about the future of the commercial man's quality hogs is the Purebred swine breeder.

YORKSHIRES



Most boars and gilts selling are unrelated to other Yorkshires in the East. Bred Gilts are hand mated to fit your farrowing schedule.

SELLING APPROX. 40 BRED GILTS
25 OPEN GILTS
25 BOARS

All animals will be bled and negative to Pseudorabies and Brucellosis so they can go into any state on sale day.

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THIS IS INVESTMENT DAY
AUCTIONEER: Col. HARRY BACHMAN

Sale Reports

A public auction of tractors, including several antique models, was held August 6 at Newark Valley, NY.

People who attended the auction were from five states and Canada and bidded on the 75 tractors, new and old alike, on the sale block. A special antique tractor row of about 30 sold very well.

Some prices were: John Deere B $1125, John Deere 620 $2700. Oliver 7300 combine $3000.

Auctioneers were Ed Goodrich Jr., Jack Hussey and Glenn Wenger of the Goodrich Auction, Newark Valley, NY.

A Public Auction of real estate and antiques was held August 13 by Warren C. Snyder and Jean I. Snyder, in the village of Pitman, between Hegins and Shamokin, Schuylkill Co., Pa.

The 72 ft. x 80 ft. lot with a frame dwelling and 1 car garage was sold for $21,000.

Other prices were: 6 pc. washbowl set $330, stained glass dome shade $310, coffee grinder $45, Wallace Nutting prints $45 & $55, fancy iron bed $200, child's wicker rocker $77.50, stoneware water cooler w/broken lid $70, butter bowl $70, small cast iron pump $30, 3 splint baskets $50 each, saddler's bench $50 and Bradbury leather sewing machine $25.

George and Mike Deibert were the auctioneers.

xxxxx

A Public Auction of household goods and antiques was held August 11 for Florence Harman and others at Hatfield Gallery Auctions at Fairgrounds Road, Hatfield, Pa.

Some items sold included: old bottles $10 each, copper clad canner $40, clay chick fountain $20, shaker scrub board $35, small spinning wheel $140 and ironstone pitcher & bowl set $150.

Paul G. Derstein was the auctioneer.

xxxxx

A Dairy Cattle Sale was held August 13 by Eugene and Steven Rossman, Star Route, Box 168, 5 miles east of Rebersburg, Centre Co., Pa.

There were 34 Holstein grade milk cows sold for an average of $797. The top cow sold for $1190, the 2nd high was $1025 and the 3rd high was $985.

Mark Glick was the auctioneer.

xxxxx

A Farm Auction of farm equipment and trucks was held August 12 by Cornell Farm, Lee and Wayne Cornell, 2 miles north of Friedens between Somerset and Stoystown, Pa.

Some prices received were: 1964 Ford F-600 dump truck $6375, I.H. 915 D combine $20,000, Int. D 986 tractor $12,750, Farmall 806 tractor $7400, Farmall 856 tractor $7250, Farmall 656 tractor $5600, 24' aluminum dump trailer $3600, chisel plow $1350, Stolfus fertilizer spreader $3050, flat wagons from $300 to $675 and M.C. grain dryers 250 bu. per hr. capacity $1350 each.

Auctioneers were Luce's and Stahl.

PUBLIC AUCTION

COUNTRY REAL ESTATE

SAT., AUG. 27

9 A.M.-1 P.M.

In Stricklerstown, Leb. Co., at the foot of the Mountain.

A tract of land appr. 5 acres erected there is a 2½ story log house with asphalt brick siding. 3 rooms and bath on 1st. floor, 2nd floor has 4 bedrooms. Property has hand dug & drilled well, also septic system. There is also a frame shop apprx. 12x14. For further information & inspection of property call 717-273-7881 only on Tuesdays 9:00-12:00 for appointment. Household Goods, Antiques, etc. also will be sold.

Owners,
LOUELLA LYONS
JOANNE SHERMAN
BERNICE TORRE

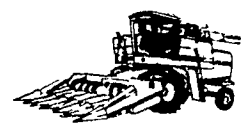
Attorney-Steiner & Sandoe
Aucts: Weik & Copenhaver
Clerks: Hoover & Ogurcak

Sale Time - 9 A.M.
Real Estate 1 P.M.

WINDAWAY FARM

LAMBERTVILLE, N.J.

LIKE NEW FARM MACHINERY AND GRAIN EQUIP. AUCTION



SAT. AUG. 27, 1983

at 11 A.M.

FOR THE LEE STOUT ESTATE

Located on Rt. 179 next to West Amwell School, Opposite Kari Drive. 2 miles North of Lambertville, N.J., 2½ miles North of New Hope, Pa. 12 miles South of Flemington, N.J.

11 A.M. - parts, shop items, oil, fuel tank, space heater, 7 hyd. cylinders, feed carts, wood shop stove, 16 piles of drain pipe 250 ft. each, plus fittings etc., Danuser 3 PTH post hole digger, Onan 12 KW PTO Alternator, plus more!

12 Noon - Showroom Clean Tractors & Combine, Dump Truck - IHC 1086 DL WF cab air stereo loaded like new 381 hrs., IHC 886 DL 4 post canvas cab WF loaded like new 312 hrs., IHC 715 DL combine cab air loaded 309 hrs. rice tires, w/4 row 844 WR corn hd, IHC 820 13 ft. grain hd brand new, Farmall M w/hyde., W.F. and 7 ft. side mtd mower. **Trucks - Attention** 1972 Chevy #60,V8,2SPD rear, w/Garwood 7yd factory dump body built up to carry 250 bu. grain w/roll canvas and tag along trailer hitch, all like new w/only 2078 miles, yes 2078 miles. Eger Beaver 9 ton tag along trailer like new. **IHC Machinery** - #470 17 ft. hyd wing disc w/M.W. harrow, 10 ft. hyd disc, #56 4 row corn planter w/insect, 11 ft. 3PTH chisel plow, 18 ft. vibra shank hyd. field harrow, 10 ft. harrow, Super C cult., #10 16 hole grain drill, new wheel hay tedder, 2 kicker wagons IHC gear. **Other Makes** - J.D. F1450 5 btm 16" semi mtd plow, N.H. 56 hay wagons, 2-MW grain wagons w/lights, 1 small grain wagon, 12 ft. spike harrow, J.D. 10 ft. cultimulcher, Little Giant 22 ft. elevator. **Bins & Grain Handling Equip.** - Super B 115 bu. portable batch dryer, 800 bu. wet holding tank, 1 Circle 12,600 bu. and 1 Circle 5600 bu. grain bins both w/sweep augers, fans and unloading augers. **Augers** - 60 ft. 6" portable w/motor, 43 ft. portable 6" w/PTO, N.I. 36 ft. 6" portable w/PTO, 22 ft. 8" w/motor, 10 ft. 6" loading auger. Woods #214 rotary mower, 14' w/fold wings.

Auctioneers Note: Many items here are in showroom condition. If you are in need of equipment, here is a golden opportunity to buy like new machinery. Plan to Attend!

Not responsible for accidents! **Lunch available**

Inspection: Aug. 19 & 20, 10 to 4 P.M.

Terms - Cash or Good Check with proper I.D. Full payment Sale Day! Out of State Buyers Bring Bank Letter of Credit addressed to Col. Fred R. Daniel!

Owners:
LEE STOUT ESTATE & BOBBIE STOUT
Lambertville, N.J.
609-397-3426

Sale By: Col. Fred R. Daniel Auctioneers Inc.
Neshanic Sta., N.J. 201-369-4784

AUCTION SALE

15 TRACTORS, 4 COMBINES CULTIVATORS, PLANTERS, PLOWS

Pursuant to proper authority, the undersigned will sell at Public Auction the following farm equipment on

SATURDAY, AUGUST 27, 1983

11:00 A.M.

At The Farm Formerly known as the William Strausser Farm
U.S. Rt. 50
West of Vienna, Md.

TRACTORS: 7020 John Deere, 4 wheel drive SN 2157R-72; 4020 John Deere, SN 44324-66; 2010 John Deere, SN 502524, with loader; 1206 IHC SN 85234; 5020 J.D. SN 32T2349; 4020 J.D. SN 73579R-67; 3010 J.D. SN T36508; International Cub; Tractor motor TL 10 loader; 4020 J.D. SN 19077R-66; Satoh S-650G SN S402120; 1105 Massey Ferguson; 806 I.H. diesel w/Schwartz loader; IHC M-TA diesel; IHC H.

COMBINES: J.D. 4400 1975 SN 42944, w/corn head & cutter bar; Massey Ferguson 510 w/corn head and grain table, SN 24846; John Deere 55 w/cutter bar; John Deere 55 on tracts.

PLANTERS AND DRILLS: John Deere 7000 6 row 30" w/fertilizer & insecticide; John Deere 8 row no-till soybean planter; IHC Model 56 4 row w/fertilizer attachments; IHC 19 spout drill.

CHISEL PLOWS, BACK HOES & MOLDBOARD: Long 1200 backhoe attachment; Glencoe 11' chisel; Case 14' chisel; Gramham Holme 10' chisel; MF 880 6/16" J.D. 5x16; J.D. 3 bottom; J.D. 5x16; J.D. 6-16' on land hitch; AC 5-16 plows.

DISC, CULTIVATOR, PACKER & ACCESSORIES: King 14' Disc; J.D. F740 field cultivator; John Blue sprayer w/tank; Webster 6 ton fertilizer tender; Bearcat 14' packer; Bearcat 15' packer; J.D. 6 row 30 culti; Lilliston 6 row 30" culti; Miller 225 welder; IHC 16' cultipacker; Case 13' Disc; Case 15' Disc; IHC 13'4" cultipacker; 2 Lilliston 4 row rolling cultivator; Brillion MDC164 pulvi-mulcher; IHC 40 blade disc; J.D. 4 row rotary hoe, old style; A.C. 7' grader blade; J.D. 707 4 row stalk chopper; Hesston 10' dozer blade attachment; MF 7' mower; Lilliston 4 row rolling cult.; Brillion 13" cultipacker; IHC 40 blade disc; MF 4 row cultivator; J.D. 10' disc; 7' Caldwell blade; Long 12' disc; IHC side cut mower.

NO SMALL ITEMS. TRACTORS WILL BE SOLD EARLY.

TERMS: Cash on day of sale. Checks will be accepted from residents of the Delmarva Peninsula when drawn on a local Bank. All others must be accompanied by a current Letter of Credit.

INSPECTION: Thursday, August 25 and Friday, August 26, from 10:00 A.M. until 4:00 P.M.

DIRECTIONS: From Cambridge, Md. take US Rt. 50 East approximately 10 miles, sale on left. From Salisbury, Md. US Rt. 50 west, approximately 23 miles to sale on right.

UNITED STATES DEPARTMENT OF AGRICULTURE
FARMERS HOME ADMINISTRATION

Pete Richardson Auction Sales
P.O. Box 51, Willards, Md.
Phones: 546-2425 Office
742-6220 Home

Public Auction Register

AUGUST

SAT AUG. 20 - 9 AM Public Auction of Farm, Lawn and Garden Equipment and Household Goods. Located at the Leesport Auction Grounds, Rt. 61, north of Reading. Berks Co Pomona Grange 15th Annual Community Sale 7 Auctioneers

SAT AUG. 20 - Public Auction of Furniture, Quilts, Groceries, Sporting Goods and Dry Goods Located at 211 E Main St, Leola, PA Eighth Annual Bareville Fire Co sale

SAT. AUG 20 - 9 30 AM Public Auction of Real Estate, Full Line of Carpenter and Cement Tools, Plumbing Tools and Building Supplies and Materials Located in Schuylkill Co., PA, Washington Twp., 5 mi east of Pine Grove, on Rt 895 Raymond S. and Ruth Hurst, Owners Steve Petersheim, Auctioneer

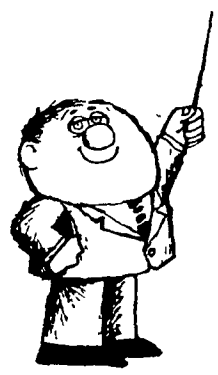
SAT AUG 20 - 9.30 AM Public Auction of Bucket Trucks, Digger, Trucks and Vehicles. Located at Central Hudson Gas and Elec. Corp.'s Eltings Corner Garage, just off Rt 299 on South Ave., approx 1 mi. from exit 18, New Paltz Exit of NY Thruway which is Rt. 87 Vilsmeier Auction Co., Inc

SAT AUG. 20 - 7 PM Public Auction of Swine Located in Taneytown, MD Franklin Feeser

SAT AUG 20 - 10 AM Public Auction of Equipment Located on Rt 87, Chestnut Hill, Columbia, CT Maple Grove Auction Co

SAT AUG 20 - 11 AM Public Auction of Real Estate Located on the northside of PA Rt 467, approx 3 mi west of the village of LeRaysville, Bradford Co, PA Uteen M. Funk, Owner Sanford A Alderfer, Inc, Auctioneers

SAT AUG 20 - 10 AM Public Auction of Shop Equipment. Located going Rt 1 Bypass to Nottingham exit Rt. 272, take 272 north from exit 1 mi on right. Daniel Irving, Owner. Norman E. Hunter and Parkes T. Williams, Auctioneers



A LESSON WELL LEARNED...

LANCASTER FARMING'S CLASSIFIED ADS GET RESULTS!

Phone:
717-394-3047
or
717-626-1164

COMPLETE DISPERSAL
OF DAIRY CATTLE & FARM EQUIPMENT

THURSDAY, SEPTEMBER 1, 1983
9:00 A.M.

Location: Franklin Co., Pa.; From Orrstown take Rt. 433 North, approx. 2 miles to sale. Approx. 6 miles from Shippensburg. Sale signs posted.

68 HEAD OF HOLSTEIN CATTLE 68

Herd contains 44 milking cows; 7 bred heifers; 5 heifers 6 month to breeding age; 12 under 6 months. 2 cows springing, due by sale date. 3 cows fresh in July. Others in all stages of lactation. Most of these cows are 1st and 2nd calf heifers.

FARM EQUIPMENT & TOOLS

IH 806 DIESEL TRACTOR with turbo, W.F.

J.D. 2020 DIESEL TRACTOR with W.F. and high clearance

JD SNO 9' offset disc; Oliver 4-14 trailer plow; NH 56 side rake; NH 717 super 2 row forage harvester, wide row, with hay pickup, also 1 row corn head; NH 16' three beater forage wagon; Hesston PT 10 hay bine; IH 56 4 row corn planter with liquid attachments; JD 404A 4 row corn planter; JD FB-B grain drill, 17 disc; 16' hay wagon; 14' hay wagon; 12' harrow; 10' Dunham cultipacker, like new; JD KBA 32 transport disc; Zimmerman 24' transport feeder wagon; 1 round hay feeder; JD 9' harrow; Fox 56" blower; 187 Hawk Built Spreader, left unloading; 14' flat bed wagon; 2 wheel cart; 10 calf hutches; Heavy duty band saw, like new; Jet 13R drill press, table type; Echo weedeater; air compressor; JD chain saw; ½" reversible drill; tap & die set; Dewalt 10" Radial arm saw; 1 ton chain hoist; hydraulic cylinders; Ready heater, 150,000 BTU; 2 24" barn fans; 1 36" barn fan; Lincoln welder; IH super 100 fence charger; gates; feed cart; wheel barrow; 5 DeLaval hydropulse pail milkers with flo view claws, 3 40 lb. pails, 2 50 lb. pails; breeding chart; 2 wagon loads of small items.

IH TD6 Diesel with PTO and Dual hydraulic

CROPS - approx. 55 acres of standing corn; approx. 550 bales of 2nd cutting alfalfa; approx. 2500 bales of 1st cutting mixed hay; 2 Ag bags of haylage, approx. 75 ton each.

Cows will be tested and preg. checked.
Order of sale: small items, equip., crops, cattle.

Terms by:
JOHN HENRY & EMMA SHIRK
Orrstown, Pa.
Ph. 532-6819

Aucts:
Melvin Sensenig 776-5054
Lamar Sensenig 532-9160
Clerks: Eberly & Witmer

Lunch Served
Not Responsible for Accidents

PUBLIC SALE
OF FARM EQUIPMENT
SATURDAY, AUGUST 27, 1983
10:00 A.M.

LOCATION: Cumberland Co., Pa., Traveling I-81 South from Harrisburg take exit 16, turn right onto 641, go to Carlton Ave., turn left, follow Petersburg Rd. to 174. sale onr ight. Traveling I-81 north from Chambersburg, take exit 15, turn left onto 74, go to Peterman Farm Equipment, turn left onto Petersburg Rd., follow to 174. Sale on right. Sale signs posted day of sale.

IH 686 DIESEL TRACTOR — 2000 Hrs. With year around cab, W.F.
AC D15 GAS TRACTOR — 2400 Hrs., W.F.

IH 56 4-row corn planter; New Holland 315 baler with thrower, 2 yrs. old; IH 450 3-bottom plow; IH 12' spring harrow; IH 990 haybine; AC field cultivator, AC 82S side-mounted mower, AC 66 all-crop harvester, PTO; JD KBA 8' disc harrow; JD 12' harrow; JD KBA 10' transport disc harrow; JD 8' disc harrow; 9' harrow; New Holland 357 grinder mixer; IH 400 Cyclone corn planter, 30" rows with no-till attachments and monitor; JD 640 side rake; JD rotary hoe; JD 10' fertilizer spreader; 7' 3-pt. blade; field drag; Dunham cultimulcher; Cunningham hay fluffer; New Holland 36 crop chopper; Massey Harris grain drill; Cobey cultipacker; new Idea hay crusher; New Idea 323 single-row corn picker; spike harrow; JD hay tedder; 8½' cultipacker; 9' cultipacker; New Idea corn husker shredder; AT 40 4-row corn worker; Hawk Bilt 157 manure spreader; 32' Little Giant elevator with motor; 20' Patz model 166 elevator with motor; 16' Burrow aluminum elevator with motor; Grove wagon with sides; 2 Easy Trails 872 haywagons with sides; Cobey dump wagon; feeder wagon; New Idea wagon with gravity bin; sprayer with Myers pump.

1973 GMC SUPER CUSTOM 3500 TRUCK

Creamery Package 375 gal. milk tank; Surge pipeline milker with 3 mini-cup units; stainless steel DeLaval milker pails; milk cans; 52 gal. electric water heater, 2 years old; 25 cow mats; milk-o-meter; Kemiflo applicator with 12 volt motor; wooden gates; 5' cast iron trough; wagonload of small items.

Terms by:
OTHO & MARY SHIELDS
415 E. Old York Rd.
Carlisle, Pa.
Ph. 717-258-6798

Auctioneers:
Melvin Sensenig - 776-5054
Lamar Sensenig - 532-9160
Clerks: Weaver & Eberly

Lunch Served By Farm Women Society 20
Not Responsible For Accidents

PUBLIC SALE
OF MEADS TOBACCO COMPANY, OVER 70 YEARS IN BUSINESS
TOBACCO EQUIPMENT, ANTIQUES & MISC. ITEMS
SATURDAY, AUGUST 27, 1983
At 9:30 A.M.

LOCATION: Meads Tobacco Co., Red Lion, Pa. Located on Lancaster Ave., 2 blocks from the square off South Main St. Watch for signs.

TOBACCO EQUIPMENT & MISC. ITEMS

Steam tobacco dryer w/fans; 2 tobacco steam rollers; several wooden conveyers w/motors; 3 Strickler tobacco threshers; tobacco seperator; tobacco press; 2 revolving tobacco sives w/motors; air compressor w/10 HP motor & tank; tobacco shaker grader; tobacco cutters; Toledo 1 ton platform scales; 2 tobacco striping machines; lg. safe 5' high; various sizes of motors from 3 to 30 HP; 2 variable speed motors; Fairbanks ½ ton platform scales; 12" heavy duty floor model drill; silo blower; wooden tobacco cases with rollers; platform elevator; several iron piles; ½ ton hoist-like new; line shafts; lg. cast iron blowers; Howe platform scales; 2 wheel trailer; wrenches; wooden pulleys; several belt lacers; log chains; electric heaters; 3 steam heaters; air hose; forks; shovels; brooms; many cases of various sizes of belting; floor model fans; water pumps w/motors; gas cans; jacks; bag trucks; block & tackles; adding machine; winch; roll of steel banding; new cardboard boxes; 2 rolls of new 2" belting; old Lawson mower; and much more too numerous to mention.

ANTIQUES

Oak desks; oak cabinet; oak filing cabinet; oak swivel chairs; oak clothes tree; 3 matching oak chairs; pine cabinet w/9 drawers; wooden dovetailed boxes; Johnsons first-aid box; 8 gal. crock; 5 gal. jug; lanterns; 6-prong wooden forks; cigar mold; several cigar bunch breakers; paper cutters; (2 gas engine trucks); lots of engine oilers; (double cylinder steam pump); humidifiers; old horns; cast iron sinks; Perfection heater; dictaphones; and lots more.

Truck: 1967 700 Dodge van, 20' bed, 112,485 miles, good shape.

Owner:
FRED MEADS
244-1867

Auctioneers: Nelson Ahrens 428-1234
Ralph Brenneman 741-1728
TERMS: Cash or Good & Approved Check.
Refreshments Served
Not Responsible For Accidents Day Of Sale

COMPLETE CATTLE & PRODUCE DISPERSAL
CHACE FARMS
Leslie & Lorraine Chace, Route 90 Homer, N.Y.
FRIDAY, AUGUST 26, 1983
10:30 AM Sharp

We have been commissioned by the Chace Farms to sell their cattle & produce located on Route 90 approx. 3 miles West of Homer. From I-81 take Homer exit #12 to Route 281 north approx. 1 mile to route 90. Watch for auction arrows.

300 REG. & HI-GRADE FREE-STALL CATTLE 300

This young Free-Stall Herd consists of (150) milch cows, (60) Fall bred heifers starting Aug. thru Dec. calving, (20) yearling to breeding age heifers, (40) from 6 mos. of age to yearlings, (28) started heifer calves to 6 mos. of age, (1) Service Bull and (1) started bull calf bron May 10-83 Sired by Troy. The herd has a rolling herd average of 14,717M 558F 3.8 test. Several of these first calf heifers in this herd are projected to over 20,000 lbs. of milk with several others projected to 18,000 to 19,000 milk. This herd has over 100 head of 1st and 2nd calf heifers. A few of the Sires used in this dairy are as follows: King Arthur; Ted; Willow; Lindy; Strephon; Elstan; Executive; Rock and Barrett plus several more not mentioned. All cattle will be vet examined for pregnancy, Blood & TB tested ready for interstate shipment DAY OF SALE, the vet will be at the sale writing interstate papers. Catalogs at ring side or by calling Jack Wood 607-863-4141.

PRODUCE

The produce is as follows: 1.) 550 ton of alfalfa haylage in a 25x80 Harvestore, 2.) approx. 175 tons of haylage in a 20x60 Harvestore, 3.) approx. 125 ton of High Moisture Corn in a 20x60 Harvestore, 4.) approx. 70 tons of corn silage. Les will have the test results of the produce by the time this ad comes out. For more complete test results on the produce call Les Chace 607-749-3481.

MACHINERY

Hawk #275 Barrell Spreader (like new condition).

MANAGERS NOTE: This is an outstanding young Free-Stall Herd that shows a lot of good milking qualities, with size, type and condition in this dairy. Keep this date open for a Top-Top Free-Stall Herd. (Catalogs at ringside.)

TERMS: Cash or Good Checks day of sale w/positive ID.
LUNCH AVAILABLE

AUCTIONEERS: Bob Lathrop, Arlo Kiehl, & Roy Huddle

LESLIE & LORRANE CHACE
Phone 607-749-3481
JACK WOOD'S LIVESTOCK & AUCTION SERVICE
Sales Managers
Cincinnatus, N.Y. 13040 Phone 607-863-4141

PUBLIC SALE

VALUABLE FARM EQUIPMENT
HOUSEHOLD ITEMS, TOOLS, ANTIQUES
1965 FORD CAR, 1965 FORD F350 TRUCK
WITH CATTLE BODY

THURSDAY AFTERNOON, AUGUST 25, 1983

at 4:00 P.M.

Located approx. 1 mile East of Route 309 at Snyders, 3 miles West of Andreas on Route 895, Schuylkill County, Pa. Look for auction sign.

ITEMS — Int. 240 gas tractor tricycle front end 2 pt. fast hitch with double cylinder hook up attachment (excellent condition), front mount cylinder operated snow blade for Int. 240, 2 bottom 2 pt. 14 inch plow, 3 pt. cultivator, 2 pt. fast hitch platform, 3 pt. rear mount ground scoop, John Deere 3 pt. corn planter, New Idea pto hay crimper, Int. 7 ft. pto grass mower, Allis Chalmers No. 60 pto combine with grain bin, 2 David Bradley single row mounted corn pickers, Horn roto beater, Case hammer mill, JD pto baler, pto sprayer pump, 4 wheel rubber tire flat wagon, 2 wheel trailer, hand potato plow, corn sheller with electric motor, hoe grain drill, 4 bar side delivery rake, row maker, 8 ft. camper top, old walk in truck, cast iron hog troughs, incubator, calf box, rabbit boxes, saw buck, chain hoist, come-a-longs, asst. chains, Sears chain saw, circular saw, saber saw, hand log splitter, building jack, approx. 25 bales of hay, log hooks, fence stretcher, many hand and garden tools, electric fencer, pipe vice, bench vice, electric drills, traps, socket sets, bench grinder, asst. new lumber, large bag truck, platform scale, snow fence, greasers, dog cages, kettle stand, snow blade, good endless belts, step ladder, chicken crates, tractor tire chains, 2-5.00 - 15 new front tractor tires, fence posts, electric fence wire, clover seeder, dry measures, forge, cement box, trash cans, oak lumber, feed bags, scalding trough, many cement blocks, used tin roofing, barb wire, power hand cultivator, bushel crates, kitchen coal stove, large crocks and others, cider barrel, spin washer, double rinse tubs, treadle sewing machine, large old water bottles, electric stove top, freezer unit, cast iron sink. **TRUCK** — 1965 Ford F 350 dual wheel with cattle body. **CAR** — 1965 Ford Falcon 6 cylinder standard shift. Many other items too numerous to mention.

TERMS: Cash or acceptable check. No out of state checks accepted.
NOTE: Selling out due to ill health.

Not Responsible In Case Of Accidents

Sale Ordered by:
WALTER REED

Auctioneer:
Robert A. Arner
Route 2 - Box 216
New Ringgold, Pa. 17960
Phone 717-386-4586

Refreshments

HILL COMPLETE MACHINERY DISPERSAL

Located on Mead's Hill Rd., 4 miles from Watkins Glen, N.Y., 16 from Corning, 17 from Elmira. Watch for auction arrows. Due to loss of my barn by fire and having sold my cattle I now have decided to sell my complete line of machinery as listed. Farm for sale also.

SATURDAY, AUGUST 27, 1983

at 1:00 P.M. Sharp

Case 1175 diesel; Agri King w/cab & 451 turbo 4,600 hrs.; Case 1410 diesel w/wide front 1603 hrs.; IHC 3444 gas w/loader & backhoe; IHC 504 gas narrow front; Ford 6000 needs transmission & other repairs (as is); IHC Farmall needs repairs (as is); Massey Harris 44 tractor; Hesston 1010 hydro. swing haybine; Gehl CB600 chopper w/2 row corn & pickup heads; power shute & elec. knife sharpener; Grove 3 heater self unloading box w/roof 10 ton gear & flotation tires; Papec 2 beater self unloading box w/8 ton gear & flotation tires; 2 JD 24T balers; 3 wagons w/kicker racks; IHC 4 row corn planter; Case 6 bottom semi mount plows w/sidehill hitch; 21' disk w/dual wheels; JD 16' transport harrows; Gehl 84 chopper w/direct cut 2 row corn & pickup heads; JD 4 bottom trailer plows; NH 256 side rake; 3 pt. cement mixer.

Older equipment some in working order some for parts. DB side rake; Gehl hi throw blower; NH 365 barrell spreader; old self unloading box; DB trail type mower; Ford 612 chopper; stone picker w/motor; old spreader; grain drill; farm trailer; old Badger blower; front end loader for M or H Farmall; Claude buster; NH running gear; 6 trailer axels 4 w/elec. brakes; Patz 16' silo unloader w/5 hsp. motor; barn cleaner (was in fire); & several other pieces of older equip. for parts.

BULK TANK

1000 gal. Surge bulk tank w/5 hsp. motor, washer & energy converter 2 yrs. old. Take a look if you need a tank. 50 round bales of hay.

FARM FOR SALE

Approx. 200 acres farm & dwelling for sale. Can be purchased as 1 unit or will sub-divide into as many as 5 parcels. For complete details phone the Real Estaters of Mansfield - Robert Wood 717-662-2138. Will be on site day of sale with complete details.

TERMS — Cash or Good Check
Lunch Available

Owners.
GARY & JUDY HILL
Phone 607-535-4348

Auctioneer — Arlow Kiehl
Sales Mgr. — Gordon Wood - Mansfield, Pa.
Phone 717-549-4901

For the most in advertising coverage and preparing your sale, Call Wood's Auction Service.

Public Auction Register

Closing Date - Monday, 5:00 P M
of each week's publication

SAT. AUG. 20 - 11 AM
Public Auction of Real Estate Located in Wyoming, DE on Wyoming Mill Rd. Estate of George H. Short Fox Auction Service.

SAT. AUG. 20 1 PM
Public Auction of 50 Registered and Grade Holsteins. Located at farm, 2 miles north of Spring Creek, PA or 7 mi. east of Corry, PA on U.S. Rt. 6, then 2 miles south on Blue Eye Rd. Mickey and Ed Sekerak, Corry, PA, Owners. Ronald Reed and Ed Sekerak, Auctioneers.

SAT. AUG. 20 - 10.30 AM
Public Auction of Real Estate, Livestock and Farm Equipment. Located 7 mi. north of Oxford, Rt. 896 north turn right on Homeville Rd, left on Bryson Rd., 7 mi. southeast of Georgetown, Rt. 896 to Bartville Rd., east 3 mi. to Steelville turn south on Bryson Rd, 2½ mi. north Homeville alon Bryson Rd., West Fallowfield Twp., Chester Co., PA. Isaac B. and Lydia Zook, Owners Diffenbach, Auctioneers

SAT AUG. 20 - 8.30 AM
Public Auction of Furniture, Antiques, Quilts, New Tools, Sporting Goods and Groceries Located at Bareville Fire Co. along Rt. 23 between New Holland and Leola at 211 E. Main St, Leola. Bareville Fire Co., Owner

SAT AUG. 20 - 8.30 AM
Public Auction of Collectors' Items, Antiques, Glassware and Furniture. Located at 61 Summitt Ave., Telford, PA. Mr. and Mrs. Henry Borneman, Owners. Henry K. Freed and Sons, Auctioneers.

SAT. AUG. 20 - 10:30 AM
Public Auction of Farm Machinery and Cattle Located midway between Sussex and Hamburg, NJ, off Rt. 23 turn West by Diner, opposite Dunn Well Drilling Co., onto Pond School Rd., continue 2 mi. to farm, 4½ mi S.W of Sussex, NJ, 4½ mi. N.W. of Hamburg, NJ. Austin and Vivian Hough, Owners. Col. Fred R. Daniel Auctioneers, Inc.

PUBLIC AUCTION

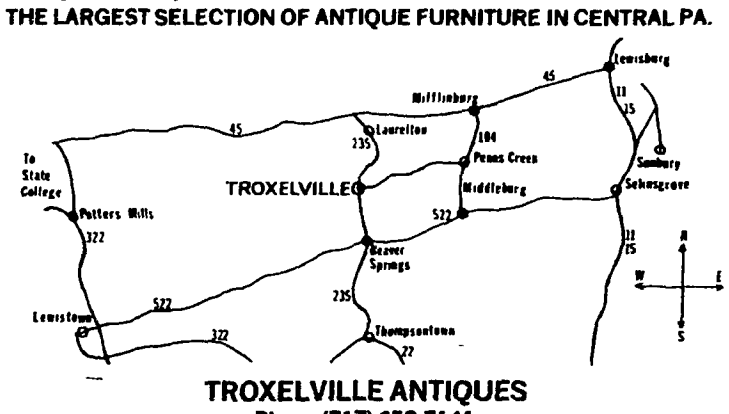
OUTSTANDING 4 GENERATION
ESTATE AUCTION

FRIDAY, SEPTEMBER 2 at 9:30 A.M.
SATURDAY, SEPTEMBER 3 at 9:30 A.M.

The Hazel E. Hoff Estate of Elysburg will be sold at Troxelville Antiques, Troxelville, Pennsylvania, Snyder County

This is an accumulation of furnishings over a period of 4 generations as the Hoff families occupied the home since 1824. Originally the William Gulick Hotel and Temperence House, also a Stagecoach Stop to a Post Office then the Boarding House for Elysburg Academy.

THE LARGEST SELECTION OF ANTIQUE FURNITURE IN CENTRAL PA.



TROXELVILLE ANTIQUES
Phone (717) 658-7141

ANTIQUES, COLLECTIBLES

Two Piece 12 Pane Corner Cupboard (painted); Oak Dropleaf Table; 2 Sets of 6 Plank Bottom Chairs (1 set by C.E. Alexandria); Cherry Gate Leg Table; Walnut Picture Frames; Very Unusual 25 Picture Frame with Ivory Buttons; pine Jelly Cupboard; Oak Stands; Child's Rockers; **Beautiful Wicker Rocker;** 2 Piece Drop-Front Desk; O.J. Wall Mirrors; Small Round Oak Table; Walnut Victorian Sofa; Cane-Seat Chairs and Rockers; **Oak Stack Bookcase with Raised Panels (excellent);** Oak Rockers; 2 Piano Stools (claw and ball feet); Pump Organ by C.P. Needham & Son, N.Y., manufactured for Gomer Thomas, Danville, Penna.; Organette with Cardboard Roll; **Cherry Sheraton Chest of Drawers;** Wash Stand with Towel Bar; 7 Piece Oak Butterprint Bedroom Suite; Blanket Chest with Original Red Paint; 2 Rope Beds with Blanket Roll; Trundle Bed; One Drawer Night Stands; Salt Box (dovetailed); **Victorian 3 Piece Walnut Marble Top Bedroom Suite;** Wardrobe; 8 Piece Cottage Style Bedroom Suite.

Quilt Rack; Jenny Linde Bed; Spinning Wheel; Yarn Winder; Flax Wheel; Flat and Camelback Trunks; Wooden Advertisement Boxes; Jelly Cupboard with 3 Drawers; Bucket Bench; Sled Box; Spool Cabinets; Greiner Doll (molded hair c 1858); Simon & Halbig Doll (blonde hair, pierced ears); Double Faced Doll Head; Miniature Bisque Dolls; Plus Many More Dolls; Mohair Teddy Bear.

Pocket Knives (some wooden and bone handles), One of McKinley's Assassination; Water Color Pictures of Man and Woman; Carnival Glass; Pressed Glass; Majolica; Opalescent; Ironstone; (Little Butter) Finger Lamp; Spongeware Cookie Jar and Cake Mold; Slipware; Silverware; Bavaria; Old Bottles; Pocket Watches; Harmonicas; Post Cards; Ink Well on Brass; Hoover Campaign Pins; Castor Sets; Miniature Stoves; Irons; Garden Tools; Milkglass Oil Lamp; Parian Cat; Child's Tea Set; Brass School Bells; Whale Oil Lamp; Daguerreotype Pictures; Powder Flasks; **Small Amber Mass Jar,** dated 1858; Banks; German Handmade Sewing Bag; Old Clothes; Bellows; Powder Horns; Moxie Fan plus other Fans; Wash Bowl Sets; Ironstone pitcher and Bowl; Turtoise Combs; Hat Pins; Baskets; Railroad Suit and Hat; 5 String Banjo; Horns; Violin; Christmas Decorations; Wooden Measures; W.W. I Canteens; Rug Loom; Cast Iron Door Stops; Salt Glazed Crock; Crock with Cobolt Decoration; Bennington Lady's Spitoon; Tea Pot; Quilts; Old Toys; Farm (consisting of approximately 60 pieces, all handmade); Currier & Ives Prints; "The First Ride" Print by N. Currier; **Centennial Exhibition Poster 1776-1876;** Civil War Letters (from Samuel Clark to Sara Jane Hoff, 1861-1864); Almanacs; Clocks; Wooden Dominos; Blocks; Chess Set; Marbles; Many, Many Boxes To Be Unpacked — Who Knows What We'll Find!!!

OTHER HOUSEHOLD ITEMS

2 Door Frigidaire Refrigerator/Freezer; 40" Frigidaire Electric Stove; Maytag Automatic Washer and Dryer (approximately 3 to 5 years old); Living Room Chairs and Sofas; Black and White Portable T.V.; Pots; Pans; Bedding; Lawn and Garden Tools; Plus Other Miscellaneous Items.

Auctioneer's Note: This auction consists of super quality antiques and collectibles of great interest, so make plans to be with us on Friday, September 2 and Saturday, September 3.

Auction Order: Friday selling Antiques and Collectibles. Saturday selling Antiques and Collectibles, Modern Household Items at approximately 1 P.M.

Statements made day of auction take precidence over advertising matter.

TERMS: Cash, Travelers Checks, or Certified Checks.
No out of state checks except those having an established account with owner or auctioneer.

Owner:
JOE HERMAN
(717) 658-7141

JONES AUCTION SERVICE
(717) 286-0052
AUCTIONEERS — Mark J. Jones
Dale L. Longacre

SALE HELD INDOORS—CHAIRS FURNISHED—LUNCH SERVED

"10th Anniversary"

PIG SALE

FRI. AUG. 26

1:30 PM

★ ★ ★ ★ ★ ★ ★ ★ ★

"FREE LUNCH"
For all Buyers and Sellers Starting at 10:30 AM

★ ★ ★ ★ ★ ★ ★ ★

"DOOR PRIZES"
from Md. Pork Producers
STATE GRADED SALE

AT
WESTMINSTER
LIVESTOCK AUCTION
4 mi. S.W. of Westminster, Md. on Route 31.
Phone 301-848-9820
or 301-733-8120

ATTENTION FARMERS!!!!

Sechrist Sales Co.
ANNUAL FALL CONSIGNMENT TOOL & MACHINERY AUCTION
Stewartstown, Pa.
York Co.
SAT. SEPT. 17
at 9 A.M.
Please call if you have machinery to advertise
Deadline: Mon. Aug. 29. Please call 993-6130 or evenings 382-4379 There is a very good market for good used farm machinery. Dealers bring a load & buy a load Reasonable terms
Bob Sechrist, Mgr.

Public Auction Register

Closing Date - Monday, 5 00 P.M. of each week's publication

SAT AUG 20 10 30 AM Public Auction of 100 Holstein Cows, Heifers and Calves and complete line of Farm Machinery located 1½ miles from MD line, 7 mi west of Clayton Smyrna (County Rd 94 next to Blackiston Wildlife area) James T. & Barbara L Spray, owners Harry Rudnick & Sons, Inc

SAT AUG 20 - 11 AM Public Auction of Late Model Farm Equipment, Trucks, Hay & Straw located taking Rt 1 north for appox 15 mi , turn off at Cozzens Lane exit (just past Johnson & Johnson) proceed for 1 mile to Rt 27, turn right, then left onto Bennets Lane Estate of Donald Bloyd

W Joe Doboznyski and John P Kachmar, auctioneers

SAT AUG 20 10 AM Public Auction of Farm Equipment and Personal Property located 15 mi south of Strasburg 896 to Homeville, turn right, follow signs to sale. From US Rt 1 Bypass used 472 exit to Oxford, left on Pine St onto Scroggy Rd to Treet Hogg Cabinet Shop Ordered by Warren Smith Norman W Hart, auctioneer

SAT AUG 20 9 AM Estate Auction of Antiques, Households, Tools, Stained Glass Lamp, Adv Items, Appliances located at 300 S. 5th St , Tower City, Schuylkill Co , PA Estate of John G Trout

Jay Riegel Jr , auctioneer

SAT AUG 20 9 AM 15th Annual Community Sale and Flea market at the Leesport Auction Grounds, Rt 61 N of Reading, PA. Sponsored by the Berks Co Pomona Grange

TUES AUG 23 7 PM Public Auction of 50 Registered Holsteins. Located in Centre Hall, PA Central Mifflin Holstein Progress Sale Roger Green, Sale Chairman

TUES. AUG 23 11 AM Complete Holstein Dispersal for Monocacy Knoll Farms selling 145 head of Holsteins Located at 8400-D E. Patrick St just back of the Frederick Airport in Frederick Co , MD. Take E Patrick St. ext'd beyond the edge of town and turn left at the farm lane, go 1¼ mi to farm. William Drenning, owner Remsburg Sale Service

TUES AUG. 23 5 30 PM Farmersville Auction in Farmersville, 3 mi East of Brownstown, Lancaster County, Pa. John J Rutt, Auctioneers.

TUES. AUG. 23 10 AM Special Feeder Cattle Sale of 1000 Head Yearlings and Steers held at Rockingham Lvstk Mkt., Harrisonburg, VA.

TUES AUG 23 8 PM Special Holstein Dairy Cattle Sale to be held at Smoketown Quality Dairy Sales Co. 5 miles East of Lancaster, 5 miles West of Intercourse, Pa. Rt. 340. Sale managed by Gordon and Helen Fritz

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ANNUAL LABOR DAY CONSIGNMENT AUCTION

OF FARM MACHINERY, TRUCKS, TOOLS AND FARM RELATED ITEMS

MONDAY, SEPT. 5, 1983

10 A.M.

Located at the auction barn in American Corner, MD on Hwy. 621 between Federalsburg and Denton, MD.

Tractor Trailer Load of New Tools starting at 8:30 AM

Regular Farm Sale - 10 AM

Terms of sale-cash or approved check

Receiving equipment on Fri. Sept. 2, Sat. Sept. 3

A. Curtis Andrew Auction Inc.

Auctioneers:

Curtis Andrew and Mike Roe

ANNUAL FALL MACHINERY SALE

FRIDAY, SEPTEMBER 2, 1983

At 9:00 A.M.

At the Belleville Livestock Mkt., Belleville, Pa.

Selling all kinds of machinery, forage and haying equipment, plows, harrows, disks, etc.

Tractors will be sold at 1:00 P.M.

Consign your machinery to this sale by 5:00 P.M. Sept. 1.

SPECIAL SALES AT BELLEVILLE LIVESTOCK MKT:

Dairy cow show and sale, Wed., Oct. 5 and Special heifer sale, Fri., Nov. 4

BELLEVILLE LIVESTOCK MKT., INC.

717-935-2146

PUBLIC AUCTION

Having decided to discontinue my dairy, I will sell on the farm located on Connolly Road, one mile north of 309 and just south of 404. Signs posted from Queen Anne and Cordova, Md.

SATURDAY, AUGUST 27, 1983

at 12 Noon

74 HOLSTEIN COWS & HEIFERS 74

This herd consists of 66 Holstein Dairy Cows (7 Swiss), some recently fresh, many close heifers, all home raised from 20 years of artificial breeding (Sire Power). 7 Cows are registered with papers, 2 R&W Holsteins. The milking cows are averaging 50 lbs. milk per day...8 Bred & Close springing heifers.

T.B. & Bangs Accredited, retested, and elegible for out of state shipment.

LUNCH

Owner

JACK EVELAND

Box 186, Connolly Rd.

Cordova, MD 21625

HARRY RUDNICK & SONS, INC.

Sales Managers & Auctioneers

Galena, MD 301-648-5601.

EDNA MAE MARTIN ESTATE

PUBLIC SALE

OF REAL ESTATE, ANTIQUES, HOUSEHOLD GOODS — EPHRATA

SAT., AUGUST 27, 1983

Sale Time 9 A.M.

Real Estate 2 P.M.

Located at 419 Washington Avenue, Ephrata, Pa.

2 STORY BRICK DWELLING

Walnut Marble Top Bedroom Suite; Tiger Maple Bedroom Suite; CARVED CHINA CLOSET; Square Oak Extension Table; Wardrobe; China Closet; Hall Settee; Oak Mirror Side-by-Side; Empire Bureau; Jelly Cupboard; Blanket Chests; Cheese Cutter Rocker; Boston Rocker; Cane Chairs; Decorated Dresser; Spool Cabinets; Reed Ferneries; Old Wicker Items; Arch Back Trunk; Mantel Clocks; Gem Roller Organ; Gone With The Wind Parlor Lamp; Kerosene Lamps; Baskets; Postcard Albums; Stereo Viewers; Dolls; Antique Quilts; Fancy Work.

Johnson Bros. China Maestricht; Flow Blue China; Fruit & Flower Dishes; PRESSED & PATTERNED GLASS — CARNIVAL; Vaseline Glass; DEPRESSION GLASS; Ruby Glass; Old Bottles; Nippon; China Figurine (Bisque Etc.); Paper Weights; China Cats; Chickens-On-Nest; Alabaster; Crocks; Jardineres; Wooden Measure; Cherry Seeders; Cookie Cutters; Iron Troughs; Many items still in boxes when sale was listed. Come to see what we found.

TERMS BY:

EDNA MAE MARTIN ESTATE

T. Glenn Horst, Auct. 859-1331

Timothy G. Horst, Auct. 738-1245

Eaby & Eaby

AUCTION

SATURDAY, AUGUST 27, 1983

Starting at 10:30 a.m.

Located at Gockleys Farm Machinery, Reinholds, R.D. 2, Lancaster Co., PA.

APPROXIMATELY 35 FARM TRACTORS

John Deere-4430 Cab & Air, 4230 4 Post, 4020 Hydraulic Console, 3020 Hydraulic Console With Loader, 2120, 730D, 720 D-Electric Start & Wide Front, 630, 530; Deutz-6006, 5506, 5505; Oliver-1650 With Over & Under, 1650 Gas, Farmall-1566, 1466 Cab & Air, 1086 Four Post, 856, 656 Hydro, 1066, Super C, A, Cub, 504; Ford-9600, 8600, 5000, 4000, 3000; Massey Ferguson-1130, Rare Ferguson 30 Diesel; Case-1370, 1070, 530; Late John Deere 45 Combine With Cab, Grain & Corn Heads.

HARVESTERS

Mc-350 One Row & Pickup; New Holland 790; New Holland 2RN 890; New Holland 32' Elevator; New Idea 323 Picker; New Idea 311 Two Row Picker; New Holland 27 & 26 Blowers; New Holland 286 Baler; Disc Harrows-Several Heavy Offsets; Plows- 2-3-4-5 Bottoms; New Holland PTO Spreader; New Idea 206 Spreader.

DETROIT 6 CYLINDER POWER UNIT WITH CLUTCH & PULLEY

15 PARTS TRACTORS

Farmall 706D; Supec With Wide Front; M.H., 240; M.F. 65G, 135G; Leyland 344; Oliver 550; John Deere 730 LPG.

ANTIQUES

International K6 Dumptruck; Ford F7 Firetruck; Upright Gas Engine; Old Riding Cultivator With Wooden Wheels; 1 Horse Dumpcart.

This Is Only A Partial Listing.

BE ON TIME — Not Many Small Items.

Terms by:

JACOB H. GOCKLEY

Reinholds, R.D. 2, PA.

Auctioneers:

Blaine Rentzel,

Ed Goodrich, Jr.

PH: (215) 267-3281 or 267-5131

Food On Premises

PUBLIC SALE

A COMPLETE DISPERSAL SALE OF FARM MACHINERY IN EXCELLENT CONDITION

The undersigned, discontinuing farming, will sell the following machinery at the ABERDEEN SALES CO., INC., Livestock Auction Market, on Md. Rt. 22, Churchville, Md. From Bel Air, Md., take Rt. 22 east 6 mi. to sale grounds. From I-95 or U.S. Rt. 40 at Aberdeen, Md., take Rt. 22 west 5 mi. to same.

SATURDAY, AUGUST 27, 1983

11 A.M. Sharp

Int'l. 1086 tractor with cab, 2800 hrs., Int'l. 986 tractor with cab, 2900 hrs., Bobcat #371 skid loader, Int'l 2350 loader - quick attach, J.D. 1209 hay bine, J.D. hyd. scraper blade, J.D. 40' elevator, J.D. implement trailer 10'x28', J.D. sprayer, J.D. washer, J.D. 7' #450 mower, J.D. 7000 4 row no till planter, J.D. 7' 709 rotary mower, Melroe 9½' 17 disc no till grain drill, New Idea #315 corn sheller - fits New Idea #319 picker, Schaver 10' hyd. post hole driver, Massey Ferguson #15 grinder-mixer, Int'l. 7' rotary mower, New Idea 200 bu. spreader, Int'l, #351 10' disc harrow, Massey Ferguson wheel rake, Int'l. #370 13' disc harrow, Brillion 12' transport cultipacker, 16' hay elevator, Little Giant 28' elevator, Massey Ferguson #24 14' rotary harrow, Smidley self-feeder wagon, Int'l. H tractor, Massey Ferguson #40 10½' offset disc, round bale carrier, Farm Hand 315 bu. spreader, 28' alum. conveyor, Century #400 sprayer, Int'l #550 5 bottom plow, hyd. round bale loader - fits 2350 loader, Badger blower w/50' pipe, Schulder feeder wagon, 5 grain wagons, 4 hay wagons, New Holland #70 corn sheller, Swartz front end loader, 200 gal. water tank with trailer, 5 round bale feeders, Fertel round bale feeder with running gear, New Idea #319 mounted picker with A-327 husking unit.

TERMS: CASH OR APPROVED CHECK.

ABERDEEN SALES CO. INC.
Sale Managers & Auctioneers
Phone: 301-836-7590
734-7105 Night

Owner:
WILBUR BARROW
Forest Hill, Md.
Phone: 301-836-5586

ERNEST YONKIN 2 DAY AUCTION

FRIDAY, AUGUST 26

at 4:00 P.M. &

SATURDAY, AUGUST 27

at 9:30 A.M.

KINGSLEY CORNERS, COLLEY, PA

Located 2 miles off Rt. 87 between Dushore & Mehoopany, Pa. - follow arrows.

Friday Night 4 P.M. - Farm Machinery, Cars, Tools, complete Blacksmith Shop, Farmall H tractor - good rubber, N.H. hay baler, 2 factory farm wagons on rubber with hay rigs, 2 pipe 25' hay elevators with motors, N.H. hay rake, dump rake, hay tedder, Osborne riding hay mower; N.I. trailer mower on rubber, N.I. manure spreader, 2 wheel cart on rubber, J.D. corn harvester with bundle carrier, ensilage blower & pipe, lime sower, sm. feed grinder, corn sheller, horse drawn equipment includes riding disc, wooden roller, lumber wagon, cutter; bob sled and box; oats binder, plows, harnesses & collars, milk cooler compressor; wiffle trees, qty. hardwood lumber - up to 16 ft. lengths, 30' ext. ladder; lg. gas tank & pump, block & tackle, cream separator; Surge milker.

Cars: 1964 Fairlane 500 - 4 door auto - 50,000 miles, 1941 Buick V8 4 door.

Complete Blacksmith Shop: Tool boxes full of wooden planes, tools, lg. anvil, vise, drill press; forge; complete buzz saw; lg. grinding stone with motor, socket sets.

Saturday 9:30 A.M. - Antiques: 2 Cherry drop leaf tables - round legs, 6 pc. walnut parlor suite - red uph., oak kitchen cupboard - 2 doors/3 drawers 2 bins - 54" wide and 7'7" high, 3 pc. grained bedroom suite wt. tall bed, dresser wt. mirror; washstand; early drop front secretary; raised panel oak ice box, 3 & 4 dr. oak dressers wt. beveled mirrors and matching washstand, oak beds; fancy oak sideboard; drop front lady's desk; 3 pc. butter print bedroom suite with bed, dresser, washstand; butter print 3 pc. cottage dresser, tear drop pulls, lg. pine & oak dry sink, early pine cupboard, hanging cupboard; sm. round tavern table; fancy organ, fainting couch, rose carved Lincoln cane rocker; pine stand, several rockers include fancy spindle maple, 2 Bostom; platform; plank bottom rockers, hiredman's bed; Victorian table; oak drop leaf table, 2 pc. mohair livingroom suite, spinning wheel; yarn winder; glass & wood churns, pot belly and coal-wood combination kitchen stoves, sewing machine, Edison Fireside phonograph wt. large horn; hand painted hanging lamp, banquet lamp, sev. oil lamps; bowl and pitcher set, baskets, easel; 2 castor sets; mantle clock; quilts; oak & walnut picture frames, O. G. mirrors, sev. crocks; redware; tinware; east iron train, 3 & 5 gal. blue flower crocks - Roberts Bing, N.Y.; grain cradles, cherry pitters, wood candle lantern; corner shelves; early prints.

Glassware: Green & gold china - sev. for 12, Vaseline, Opalescent; Bristol, hand painted dishes, Carnival & other.

Household: Modern 3 pc. bedroom suite - dresser, mirror, bed, chest; Frigidaire refrigerator - freezer, chest freezer, B & W T.V., Westinghouse elec. stove, Speed Queen wringer washer, qty. kitchen utensils; safe, file cabinet, Electrolux sweeper and much more.

Ernest has lived on this farm a long time. He always kept his equipment inside and in excellent shape. Real good country sale.

Terms: Cash **Lunch** **Tents**

Owner: **ERNEST YONKIN**

Auctioneer:
Jerry Burke 1-717-833-5913

Public Auction Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

TUES AUG 23 11 AM Public Sale of ID Grade Holstein Dairy Cattle and Dairy Equipment located on Rt 274, Cecil Co , Rising Sun, MD From Rising Sun, take Rt 274 east 3 5 mi to farm From North East, MD take Rt 272 north to Rt 274, west on Rt 274 3 / mi to farm Claude Jones Jr , owner Aberdeen Sales Co Inc , managers and auctioneers

WED AUG 24 - 6 PM Public Auction of Boars Located at PA Dept of Agric. Meat Animal Evaluation Center, 651 Fox Hollow Rd , State College, PA 16801

WED AUG 24 9 AM Public Auction of Ladders, Tools, Electrical Inventory and Office Equipment Located at 4th and Main Sts in Ranshaw (Shamokin), PA Ned Stank, Owner Darwin Feese, Jr and Lee D Dockey, Auctioneers

WED AUG 24 5 PM Public Auction of Surplus Equipment of York Co Vo-Tech School Located off exit 6 I 83, south on Queen St to school, sale to be held at Shop Area in rear of School York Co Vo Tech School, Owners Blaine N Rentzel, Auctioneer

THURS AUG 25 10 AM Public Auction of Farm Equipment Located at Everetts Corner, Rt. 44 and 300, 6 mi east of Sudlersville, MD, 12 mi west of Smyrna, DE. C T Scuse and Sons and Marvel Everett, Auctioneers

THURS , FRI AND SAT , AUG. 25, 26 and 27 - 9.30 AM Public Auction of Carriages, Sleighs and Antiques Located on Rt. 340, approx 15 mi east of Lancaster on the corner of Rt 340 and New Holland Rd. Martin Auctioneers, Inc. 717-768-8108

THURS. AUG. 25 - 4 PM Public Auction of Farm Equipment, Household Items, Tools, Antiques, Car and Truck Located approx 1 mi. east of Rt. 309 at Snyders, 3 mi west of Andreas on Rt 895, Schuylkill Co., PA. Walter Reed, Owner. Robert N. Arner, Auctioneer.

THURS. AUG. 25 - 9 AM Auction of Shop Eq. & Tools, Pumps, Trailers, Const. Eq , and Office Eq. held at Capitol Equip. shop and yard facility, 421 Amity St., Harrisburg, PA (behind Jewelcor) Vilsmeier Auction Co. Inc.

PUBLIC SALE
OF BUILDING MATERIAL

AT GOODS AUCTION'S
111 N. MAPLE AVE. LEOLA

SATURDAY, AUGUST 27, 1983
AT 10:00 A.M.

Two Tractor Trailer Load Insulation
4 x 8 With Alumun Foil ½ To 3" Thick
2000 Pc. Paneling, 100 New Windows
200 Sq. Aluminum Siding and Soffet, Most Of It Is Double Four
50 Pc. Colored Flexaglass
75 Wood And Steel Doors, Some Are Prehung Doors
Tin Roofing
Tractor Trailer Load Asso. Plywood
Roof Trusses, 500 Pc. Insulated Glass
Ceiling Tile And Fixtures
3 Ton Nails Commons From 4 To 40 Penney
New Bed Springs And Mattresses
New And Used Lumber

Auct. Paul Horst
John Fry

SHADE-ACRES PRODUCTION SALE

FRIDAY, SEPTEMBER 2, 1983
11:00 A.M.
Alexandria, Pa.

Located 7 miles West of Huntingdon, Pa., off route 22, turn on rt. 305 east at Alexandria, after crossing RR Tracks on 305, go straight ahead (watch for sale signs), first left after church; 25 miles South of State College.

50 HEAD REG. HOLSTEINS - 4 GRADES
½ of the Milking Herd & 10 Outstanding Younger Individuals will Sell!

"The Shade's have allowed Sale Management to select animals from the heart of the Top Cow Families in the Herd. Offered will be younger animals with outstanding type, pedigree and production."

Selling:

A 10-81 Jemini from an EX, 2 E Performer with 25,000 and 800 fat; Next dam EX -91, 3E GMD with 25,000 and over 900 fat; Bred to CAR Dairyman. 2 ¾ Sisters on 8-5-83 Elite Cow List.

A V.G. Elevation fresh and milking over 100 lbs. - Made 18,000 and over 800 as a 3 yr. old - Bred to Chairman.

A V.G. 4 yr. Marvex due at Sale time to Gil-Tex Milkmaster - Working on an 18,000 lb. record; Next Dam VG Hbg. Gay with 26,000 and over 700 fat.

A Shade-Acres Elevation Frosty Heifer, Bred to S-W-D Valiant; Dam VG Hilltop Apollo Ivanhoe with 25,000 - 1000 of fat; Next Dam with 23,000; 3rd Dam with 23,000 (High test on all dams)

A High G.P. 3 yr. Jemini, fresh and milking in the 80's and on the 8-5-83 Elite Cow List from an 87 pt. Elevation on the Elite Cow List; Next Dam EX, 3E with lifetime 224,000m; Also selling is her Cedar Grove Golden Nugget Heifer Calf.

Sires Represented: Sexation, Elevation, Astronaut, Marvex, Milu, Jet Stream, Very, Jemini, Nugget, Gay Ideal, Willow, Joludi, A.C. Money Maker and S.A. Frosty, Abner and Otis.

Service Sires Include: Columbus, Chairman, Elevation, Grand Fortune, Jet Stream, S-W-D, Joludi, Milkmaster, Starfire.

Certified & Accredited*Catalogs Available*Av. Age of Cattle Selling 3 Yr.

GEARY E. & JUDY F. SHADE & SONS
R.D. 1, Alexandria, Pa.
814-669-4672

Sale Managed By:

AUCTION SERVICE KLING'S
R.D.1, Landisburg, PA 17040
tel. 717-789-3883

PUBLIC AUCTION

SAT. SEPT. 24
1 P.M.
103 ACRE STEER, PIG FARM
On the premises West of 501 appr. 3 miles South of Myerstown, Leb. Co. (100 Grumbine Road)

Farm contains appr. 103 acres, with 80-85 acres under cultivation, 40x80 Bank Barn w/corn barn attached. 2½ Story Stone House w/4 rooms on first floor, 5 rooms & bath on second floor. There is also a wash house, 4 car garage, 2 Implement Sheds, Pig Farrowing House and a 32x80 Tobacco Shed. There is a drilled well on premises. For more information and appointment to see premises. Call 717-866-5898.

Sale Time: 1 P.M.

Owner, **EMMA MARTIN**
Attorneys- Steiner & Sandoe
Auct.- G. Harvey Weik

PUBLIC AUCTION

REAL ESTATE, MACHINERY, HOUSEHOLD GOODS, GUNS
SATURDAY, SEPT. 3, 1983
AT 10:00 A.M.

Located Conowingo, Md. 5 Miles North of Maryland Line From Route 1 along Rt. 222, or 8 Miles South of Wakefield, Pa. along Rt. 222 Cecil Co., East on Ragan Rd.

TERMS — 10% down day of sale, balance upon settlement. OPEN HOUSE — Sat., Aug. 20 & 27 from 1 to 3 P.M. Real Estate to be sold at 2 P.M. prior to Guns.

3 Bedroom Rancher with living room, kitchen, bath, is situated on a 8/10 acre lot with beautiful trees, fruit trees and lawn. House Structure is block w/Stucco, basement, attic, hardwood flooring, wall panelling throughout, new Quaker oil burner, new Hedges water heater, new pump.

2040 John Deere Diesel 275 Hrs. 3 yr. old wide front end, heat Houser; John Deere 60 Power Steering, New Paint; Allis Chalmers B w/Cultivator, 2 Way Plow; 3 Bottom Oliver Trailer Plow; 420 International 2 Bottom Plow 2 14" Bottoms; 4 Row Allis Chalmers Corn Planter; Int. 2 Row Corn Planter; McCormick Disc; McCormick Rake; Cross Elevator; 2 John Deere 3 Point 7 Ft. Mowers; 2 Grinding Wheels; Grindstone Wheel; Hyd. Cylinder; 3 Section Spring Harrow; Craftsman Transit Level Tripod; 8 hrp Wheel Horse, Plow, 2 Cultivators, 5 Yrs.; 20" Yardman Mower; Pile of Lumber; Potato Plow.

New Suburban Propane Apt. Stove, 5 Pc Breakfast Set; GE Refrigerator; Cabinet; Recliner; Black & White TV; 2 Sofas; Lamps; End Tables; Cedar Chests; Oak Dresser; Walnut Bed; Double Bed; 5 New Doors; Lots of Misc. Tools; Carpented Tools; Garden Tools; Table Saw; Jointer; Alum Stepladder; Roll of Wire; Garden Seeder; Decoys; Turkey Whiskey Collector's Items; Lawn Chairs; Polaroid Mod 20 Camera.

Remington 22 Model 581; 2-20 Gauge Double Barrel Rangers; 410 Revelation Model 350; 410 Stevens Model 94.

More Items Too Numerous to Mention. Not Responsible for Accidents Day of Sale. No Out of State Checks. Refreshments Available.

TERMS BY
EXECUTOR,
WILLIAM J. KRAUSS
For the Estate of
Roman A. Krauss, Sr.

Auctioneers
Kreider & Kline, Shirk, Good
Attorney Stephen Baker

Kreider & Kline Auctioneers
Phone (717) 786-3394

PUBLIC AUCTION

SATURDAY, SEPTEMBER 17
at 9:30 A.M.

In the Village of FEARNOT, Schuylkill County, Pa.; 3 Miles West of Sacramento & Route 25; 18 Miles West of Pottsville; 40 Miles North of Harrisburg.

74 ACRE FARM
(to be offered in two parcels and as an entirety)

PARCEL No. 1
43 ACRES more or less, approximately 10 Acres Tillable, balance Wooded. Frontage on Paved Road.
11 Room Frame Dwelling
Heat & Bath
New Septic System

PARCEL No. 2
31 ACRES more or less with Bank-type Barn, approximately 20 Acres Tillable, balance Wooded & Pasture Area; Nice FARM POND; Small Stream; Frontage on Paved Road.

TERMS: 10% down the day of sale, further terms and conditions to be announced when real estate is offered at 12 Noon.

FOR INSPECTION OF REAL ESTATE OR INSPECTION OF SURVEY DRAFT Call: (717) 682-3854

FARM EQUIPMENT

Farmall A Tractor w/2-Way Plow & Cultivator; Farmall C Tractor w/Cultivator; Farmall BN Tractor w/2-Way Plow; 2-Bottom Trailer Plows; Harrows; Flat Bed Farm Wagon; N.I. No. 18 Manure Spreader; John Deere 2-Row Corn Planter; Junior Seeder; McCormick Grain Drill; Lime Drill; Fodder Shredder; Garden Sprayer w/3-hp B&S Engine on Trailer; Chicken Feeders; Barrels; Strawberry Crates & Carriers; Garden & Carpenter Tools; Lumber; Nails; Straw Cutter; Tap & Die Set; Lot HAND TOOLS; Aluminum Stepladder; Horse Drawn Equipment; approx. 20 Bales of Hay; INT. 8-hp CADETTE LAWN TRACTOR.

ANTIQUES & COLLECTIBLES

Flour Chest w/Dough Tray; Jelly Cupboard; OAK Washstand, Dressers, Rockers, Stands, Chest of Drawers, Clothes Trees, & Sideboard; Kitchen Cabinet Base; Library Table; High Bed; Spindle-type Youth Bed; Pie Cupboard; Chairs; Dough Tray; Butter Churn; Butter Print; Wardrobe; Shelf Clock; Meat Bench; Strip Carpet; Oil Lights; Treadle Sewing Machine; Milk Cans; Mining Tools; Safety & Carbide Lights; Meat Grinder; Hog Scrapers; Trunks; Benches; Radios; Picture Frames; Kimmel Ice Cream Sign; Ice Cream Chair; Planter's Peanut Jar; RR Lantern; Butcher Kettles; Jugs; Advertising Items; Baskets; China & Glassware; Double Barrel Shot Gun; PARKER BROS. 12 ga. Double Barrel Hammer Gun; 1876 Springfield Rifle w/Bayonet; Powder Flask; some Coins.

OTHER HOUSEHOLD FURNISHINGS

G.E. Refrigerator; G.E. Range; Eureka Vacuum Cleaner; 2-Pc. Living Room Suite; Baldwin Electric Organ; TV Set; Cord Organ; Utility Cabinets; Books; Lamps; Jars; Dishes; Cooking Utensils; Etc.

Tools & Farm Equipment will be sold first!
Lunch Available

Owners,
MR. & MRS. WILLIAM D. MILLER
Mark L. Miller, Power of Attorney
John D. Pfeiffer, III, Esq.
Pfeiffer, Brown & Baldwin, Attorneys

DEIBERT
George & Mike
Auctioneers
(717) 425-3313

Public Auction Register

Closing Date - Monday, 5:00 P.M. of each week's publication

THURS. AUG. 25 - 7.30 PM Special Feeder Cattle Sale of 800 Head Yearlings and Steers held at Galax Lvstk. Mkt. in Galax, VA.

THURS. AUG. 25 - 10.30 AM Public Auction of Cattle and Milk Equipment Located at Catawissa, PA, 4 mi. south of Bloomsburg, PA on Rt. 487, 5 mi south of Rt. 80 in Columbia Co Clarence C. Kathleen V., Robert L. and Nancy J. Keller, Owners D.O. Rockwell and Assoc., Auctioneers.

THURS. AUG 25 - 5 30 PM Public Auction of Farm Machinery, Household Items, Antiques and Etc. Located 1 mi. south of Elimsport, PA Marvine Stugart, Owner. Fraley Auction Co

FRI AUG. 26 - 7 PM Lebanon Co. Holstein Club Annual Sale to be held at the Lebanon Area Fairgrounds, southeast of Lebanon at the corner of Rocherty and Cornwall Roads. From PA Turnpike take Rt. 72 north approx. 5 mi. and turn right onto Rocherty Rd and continue to Fairgrounds. Harry Bachman, auctioneer.

FRI. AUG. 26 - 7:30 PM Special Feeder Cattle Sale of 1000 Head Holsteins and Steers held at Wytheville Lvstk Mkt in Wytheville, VA.

FRI. AUG. 26 & SAT AUG. 27 - 9:30 AM Auction of Farm Machinery, Cars, Tools, Blacksmith Shop, Antiques and Household Goods located 2 mi. off Rt 87 between Dushore and Mehoopany, PA Ernest Yonkin, owner Jerry Burke, auctioneer.

FRI AUG. 26 10 30 AM Public Auction of Cattle, Produce and Machinery. Located on Rt. 90 approx 3 mi. west of Homer, from I 81 take Homer exit #12 to Rt 281 north approx 1 mi. to Rt. 90 Leslie and Lorraine Chace, Owners Jack Wood's Livestock and Auction Service.

FRI AND SAT. AUG. 26 and 27 - 10 AM Public Auction of Antiques, Household Goods, Old Tools, Iron, Tin, Brass and Farm Articles. Located along Leike Rd., RD 2, Parkesburg, Chester Co., PA, take Rt. 30 about 16 mi east of Lancaster to Rt. 10, turn right go about 1 mi to Leike Rd., turn right to sale. Mr. and Mrs. Joseph Kepiro, Owner. Howard Shaub and Roy C Probst, Auctioneers.

FRI. AUG 26 - 7.30 PM Public Auction of Swine Located at Westminster Livestock Auction, 4 mi. SW of Westminster, MD on Rt 31.

FRI AUG. 26 - 7 PM Public Auction of Cattle Located at Penns Valley Livestock Auction, Centre Hall, PA. Ron Gilligan, Auctioneer.

FRI AUG. 26 - 5.30 PM Gap Auction. Antiques and Household Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

FRI. AUG. 26 - 7 PM Public Auction of Cattle. Located at the Lebanon Area Fairgrounds, Lebanon, PA. Lebanon County Holstein Club, Sponsors. Harry Bachman, Auctioneer.

FRI. EVE. AUG. 26 - 7 PM New Holland Sales Stables, Inc., Annual Holstein Promotional Sale, to be held at the Sales Stables, located 12 miles east of Lancaster off Rt. 23 at New Holland, Pa. For more information contact Abe Diffenbach, Manager.

CONSIGNMENT SALE
GIANT QUILT AUCTION

OLD AND NEW
(Approximately 300-400)
SATURDAY, SEPTEMBER 3, 1983
(12:00 Noon)
QUILTS ON DISPLAY
(8:00 A.M.-12:00 Noon)

Consignments Must Be Checked In Prior To Sept. 3. Must Have Size & Pattern No Later Than: **Tuesday, Aug. 31, 1983**

RESERVED SEATS AVAILABLE
TERMS: Cash or Certified Check
Auctioneer: B. Dave Imes-Ray Long
Snack Bar
KEISTER'S MIDDLEBURG AUCTION SALES, INC.
Rt. 522—R.D.3—Middleburg, Pa 17842
(Off Rt. 11 & 15-7 Miles South of Selinsgrove)
Information Phone: 837-2222, 837-2512, or 523-0360

MONDAY (LABOR DAY)
SEPTEMBER 5, 1983
STARTING AT 9:00 A.M.

AUTOTORE'S AUCTION

Location - 439 Broad and Third Streets, Nescopeck, Pa. Off I-80 Conyngham Exit 38, to Route 93 (North to Nescopeck)

REAL ESTATE, ANTIQUES, HOUSEHOLD
Of the late CARRIE E. HETLER

Jelly cupboard, paw footed oak round table w/extra boards, spindle cradle, Larkin music stand, 4 pc. VA living room suite, VA bed, unique brass & iron bed, side-by-side bookcase & desk, min. organ stool, toy piano, brass bed, min. chest, blanket chest, 2 pc. oak bedroom suite, blanket rack, small cherry table, 5 leg oak table w/extra boards, ice-box, old baskets, wicker buggy, marble top dresser, oak dressers, 9 pc. Duncan Phyfe dining room, oak parlor stands, mahogany parlor stands, bakers base cabinet, childs barrel back high chair, turtle back trunks, drop leaf table, lots of picture frames, treadle sewing machine, copper wash boiler, barrels, oak library table, rockers, caned seated chairs, spindle back high chair, plus many furniture items not listed.

Epergnes w/4 jack in pulpit flowers, gone w/wind base, kerosene lamps, kerosene carry lamps, lanterns, peanut jar, McHenry whiskey bottle, 2 Ansonia shelf clocks, apothecary jars, old bottles, wash bowl & pitcher, apple butter stir, wall coffee mill, coffee mills, paper mache items, dolls, games, small cast train, early 1900 clothing, 7 pc. cobalt water ser, over 100 pc. cobalt, Roseville pcs., books, salters, childs banjo, crocks, jugs, 4 gal. jug w/blue, 3 gal. jug w/blue flower, depression ware, stem ware, etched glass ware, cooking utensils, mixing bowls, wood block plane, dated jars, caning jars, old tins, quilts, hand fans, lamp shades, butter bowl, plus many, many unlisted items.

Real Estate to be offered at 1 P.M. — A corner two story property on lot approximately 50' x 145' having 11 rooms & 1½ baths, full attic & cellar. Oil fired hot air heat, new roof, town water and sewage.

For inspection of property prior to auction, call auctioneer. Preview of property will be on Sundays, August 21 & 28 from 1 P.M. till 5 P.M.

TERMS - Personal Property - Cash
Real Estate - $5,000 down day of auction, balance in thirty days, Buyer pays all transfer taxes. Statements made day of auction regarding real estate take precidences over previously written material.

AUCTIONEERS:
John Autotore 784-3506
John Jr. 784-0381
Kim Bitler 784-5451

SELLER: Personal Representative
Arletta H. Witt

Attorney: Franklin E. Kepner

Consignment Sale
OF FARM EQUIPMENT & TRUCKS
Open to Everyone
THURSDAY, AUGUST 25, 1983
10 a.m. Rain or Shine
RT. 44 & 300

6 Miles East of Sudlersville Md. 12 Miles West of Smyrna, DE. Equipment Accepted on August 22-23-24, From 8 a.m. to 5 p.m. For Information Call Marvel Everett 302-653-7532 or Clarence T. Scuse 302-653-7530 Partial Listing of Equipment as of 8/9/83.

1566 Int. tractor with cab and air, 14' chisel plow, 510 M.F. combine, New Holland 718 chopper with 2 row 30" corn head, pickup and self cutting bar, JD 20 spout grain drill, 3x16" 3 ph plow, 4 row Case 3 ph cultivator, Massey 5x16" #88 plow, 5x16" AC mounted plow, #10 New Idea one row cornpicker (good), #55 JD combine with 13' cutting bar, 3 ph heavy duty cart, 1974 F-700 Ford Truck with 14' grain body.

SELLING FOR GEORGE DAVIS

1370 Case tractor with cab, 1070 Case tractor with cab, 21' JD folding disc, 21' Brillion folding packer (solid wheel), 6 row MF corn head, 22 spout #43 MF grain drill, Lilliston 6 row rolling cultivator, two six row white planters, 16' chisel plow, 6x16" M.M. plow, scraper blade (3 ph), Brady cultivator, Brady chopper F 700 Ford 1961 with grain body, 60 series Chevy 1966 w/grain body, GMC 4000 w/grain body, Ford 500 w/dump body 1966.

TERMS: Cash or Approved Check or Letter of Credit
Sales Mgr. & Auctioneers
C.T. Scuse & Sons
Marvel Everett
Lunch

PUBLIC SALE
COMPLETE DISPERSAL OF I.D. GRADE HOLSTEIN DAIRY CATTLE & DAIRY EQUIPMENT

The undersigned, having sold his farm, will sell the following at public auction on the farm located on Rt. 274, Cecil Co., Rising Sun, Md. From Rising Sun, take Rt. 274 east 3.5 mi. to farm. From North East Md., take Rt. 272 north to Rt. 274; west on Rt. 274 3.7 mi. to farm.

TUESDAY, AUGUST 23, 1983
11 A.M. Sharp

DAIRY EQUIPMENT & FEEDING EQUIPMENT: Majonnier 530 gal. bulk milk tank, Surge 75+ vacuum pump, 8 ton feed tank w/auger unloader, 2 16' Spry hay racks, 1 16' metal feed bunk.

DAIRY CATTLE: 40 HEAD OF I.D. GRADE HOL. DAIRY COWS. 10 hd. fresh in last 2 months; 10 hd. due to freshen in next 60 days; balance in full flow of milk and re-bred. Cows averaging 52 lbs. per day. 11 hd. large bred heifers due to freshen in August & September; 4 open heifers ready to breed; 8 open heifers to breed around January 1; 3 small heifers. This herd has used artificial breeding by Sire Power for 22 years; all heifers are home raised. There are cows milking close to 95 lbs. per day. Herd is T.B. Accredited; Certified Bangs Free; tested within 30 days of sale for inter-state shipment. Milk weights, due dates, and other information available at sale time. If you need additional cows with top production, plan to be here.

TERMS: CASH OR APPROVED CHECK.

OWNER:
CLAUDE JONES, JR.
Rising Sun, Md.
Phone: 301-658-4357

ABERDEEN SALES CO. INC.
Sale Managers & Auctioneers
Phone: 301-836-7590
Phone: 301-734-7105 Nights

PUBLIC AUCTION AT GOODS AUCTION
111 N. Maple Ave.
Leola, Pa. 17540
Hay - Straw - Corn
Every Wed. at 12:00 Noon
Farm Machinery First and Third Wed. of Each Month. Starting at 9:00 AM on Tools and Hardware. 12:00 Lawn and Garden Equipment 1:00 on Farm Machinery

NOTICE
Nothing unloaded day of sale except machinery and large equipt. All small items must be brought in and sold off the trucks.

No Out of State Checks
Selling with 5 Auctioneers

Good's Auction

LEE D. DOCKEY AUCTIONEER
ESTATE LIQUIDATOR APPRAISER
R. 1 - 164 P Hlow Pa 17080
Pho e - 758 6004

PUBLIC AUCTION
WEDNESDAY, AUGUST 24
9:00 A.M.

Located at 4th & Main Streets in Ranshaw (Shamokin), Pennsylvania.
Due to retirement, Ned Stank Electrical Contractors will be going out of business.

LADDERS

28' Pic Aluminum Ladder; 50' Magnesium Extension Ladder; Assortment of Wooden Extension Ladders up to 40'; 32' Aluminum Extension Ladder; 24' Aluminum Extension Ladder; Etc.

TOOLS

Toledo 58 Power Cutter; Green Lee #777 Bender 1¼" to 4"; Speedaire 6 h.p. - 19.77 Compressor; Bosch Heavy Duty Drill; Milwaukee Right Angle Drill; Milwaukee¾" Drill; Black & Decker Portable Hammer; Skil Heavy Duty Roto-Hammer-½" to 1¼"; 4" Tubing & Pipe Cutters; Set of Acetylene Gauges; Wood & Metal Drill Bits; Etc.

ELECTRICAL INVENTORY

Conduit from ¼" to 4"; 220V 5 h.p. Motor; 220V 3-Phase 2 Horse Motor; Lg. Assortment of 10' Length Channel Wiring; Adjustable Planking & Scaffolding; Electric Rail Feed Trolley; Portable Quartz Industrial Heaters 240V, Single Phase; Lg. Assortment of Electrical Wire; Approx. 320' of 300V Aluminum Cable; Service & Entrance Feeder Cable; Lg. Assortment of Indoor & Outdoor Lighting Fixtures; Fluorescent Light Bulbs; Flood Lights; Fluorescent Ceiling Fixtures; Conduit Coupling; EFM Water heater Elements; Hot Water Heater Parts; Honeywell Scentrol Odor Control; Lg. Assortment of Aluminum Ventilator Piping for Stove Hoods, Ceiling Fans & Roof Caps; Lg. Quantity of Dri Varde Water Repellant Sealer in 1-Gal. & 5-Gal. Cans; Lg. Assortment of Copper Tubing & Fittings; Lg. Assortment of Electrical Stove Elements; Kelvinator Automatic Ice Maker; Tappan Garbage Disposal; Heating Vents for Gas & Electric Clothes Dryers; Assortment of Washer & Dryer Parts & Belts; Lg. Assortment of Heavy Duty Drop Cords; Industrial & Household Switches; Plates, Boxes, Plugs, Sockets, Receptacles, Outdoor Switches, Etc.; Ballast for Fluorescent Lights; All Types of Circuit Breakers; Baseboard Electric Heat Units; Pipe Insulation 1 3/8" Inside Diameter; 1/3 h.p. Centrifugal Pump; All Types of TV Repair Parts - such as Transistors, Tubes, Etc.; Assortment of Air Conditioning Parts; Numerous Other Items.

OFFICE EQUIPMENT

Xerox Copying Machine & Stand; Check Writer; Dynamo Marker; Electric Adding Machine; Cole Double Door Steel Office Cabinets; 3-Drawer Filing Cabinet; Large Desk; Filing Cabinets; Metal Shelving; Etc.

NOTE: IF YOU'RE LOOKING FOR ANY OF THE ABOVE-RELATED ITEMS, PLAN NOW TO ATTEND THIS SALE, AS IT IS IMPOSSIBLE TO LIST ALL THE ITEMS.

TERMS: CASH. PERSONAL CHECKS ACCEPTED ONLY FROM PERSONS HAVING AN ESTABLISHED ACCOUNT WITH AUCTIONEERS OR OWNER.

NED STANK, Owner

AUCTIONEERS:
DARWIN FEESE, JR. (717-758-1574)
LEE D. DOCKEY (717-758-6004)

FARMERSVILLE AUCTION

TUESDAY, AUGUST 23, 1963

5:30 P.M.

In Farmersville, 3 mi. east of Brownstown, Lanc. Co., Pa.

Selling the Anna Wile Estate of Columbia. Early American & Antique furniture; box lots still unpacked; large lot assorted jewelry including pierced ear rings; diamond ring; Waltson ladies watch on chain; Elgin pocket watch; etc. etc.

WE SELL ON COMMISSION

Call **JOHN J. RUTT**
354-5095

Consignments being accepted for our Labor Day Antique Sale.

PUBLIC SALE

WED. EVE., AUGUST 24, 1983

5:00 PM

SURPLUS EQUIP.
OF YORK COUNTY VO-TECH SCHOOL

Located off Exit 6 Interstate 83 - South on Queen St. to school - Sale to be held at SHOP AREA in rear of school.

SHOP EQUIP: 3 Bridgeport Mills, 1 large Jig Bore, 18" Band Saw, 12" Power matic Lathe Model #90 w/30" Table, 2 - Sioux Valve Grinders, 4 Lincoln Welders, 1 electric furnace, 1 gas furnace, 1 gas Forge, 1-24" Drum Sander, 2-Delta Jig Saws 24", 1 Belt Sander (floor model 6" x 48" Belt), 1-24" Sharpener for Northfield Planer, 3' Sheet Metal Break, 5 Soldering Furnaces, Miller Spot Welder, 4 Sheet Metal Seam Rollers, 1-4' & 1-8' Sheet Metal Breaks, Sheet Metal Seam Punch, 2' Sheet Metal Breaks, Sheet Metal Knibbler, Sheet Metal Angle Roller, 8' Sheet Metal Shears, Sheet Metal Lock Former, Sheet Metal Notcher, 2 Pexto Forming table & equip.

FARM & HORT. EQUIP: J.D. 37 Loader w/hydraulic Bucket for 1020 J.D., J.D. 3 pt. 16 Blade Disk, J.D. 2 x 16 Trip Back Plow, 8 ft. 3 pt. York Rake, 3 pt. Fertilizer Spreader, 4 x 8 Utility Trailer, Gilson Rototiller, 5 hp. rear tires, Soil Shredder w/gas engine, 2 Jacobson mowers for golf greens, Whizz Witch Weed Eater - gas motor, Tree Saddle, golf flags & poles, Hole Cutter, Cup Setter, Cup Lifter, Green Cup.

ATHLETIC - FIELD HOCKEY EQUIP: Hockey Sticks, Practice balls, Pudding balls, Tugite Leather balls, Game balls, Socks, Jackets, Tights, Goalie Boots, Shin Guards, Skirts (old & new), Shoes, Stick Grips, Gloves, Horn.

HOME ECONOMICS DEPT: Singer Industrial Sewing Machine, 2 Buttonhole Singer machines, 4 home Singer machines (3 w/tables - 1 in case), 1 electric grill, 1" Stencil Cutter, 3 Sunbeam mixers, 2 can openers, Ice Tea Dispenser, pressure cooker, coffee urns, Hot Chocolate Dispenser.

MUSIC: 3 French Horns in F, Trumpet, 2 Coronets, 1 1-valve Soprano Bugle, 1 1-valve Alto Bugle, 1 1-valve Baritone Bugle.

PRINTING: 1 Nu-Arc Fliptop Platemaker, 1 20" x 24" Nu-Arc process camera, Goodkin Viewer, Line-o-Sign Machine, Display cases, Binding Punches (1 electric - 1 hand), Speed-O-Print, ½" Centers, Varityper Typesetter, Vertical Miehle Printing Press.

REFRIGERATION: 2 Equip. Test Cords, 2 Manifold Guage Sets, 4 Dial-A-Charge Charging Cylinders, Thermal Cap. Check, Borg-Warner Trainer, 2 Temp. Testers.

MISC: Metal Pelvic Exam Table, wheelchair, hospital bed, 6 IBM Model 5440 Disk Cartridges, 65 Wiring Boards for Unit Record Acctng., 16 Wiring Boards for Collators, 15 Wiring Boards for Interpretors, 6 Cabinets for wiring boards, Data Processing cabinet, 056 card verifier, 2 Cash Registers, misc. Textbooks.

NOTE: The large Jig Bore is stored at Aycok Installation Service at 904 Roosevelt Ave., York, Pa. I t will be sold at 7:00 at Sale location. Buyer will pick up at storage site. All items must be removed by Sat. NOON. Daily pick-up Thurs. & Friday 8 to 5, Sat. till 12:00 noon.

TERMS: CASH OR GOOD CHECK.

YORK CO. VO-TECH SCHOOL
2179 S. Queen St.
York, Pa.

AUCTIONEER: Blaine N. Rentzel
Emigsville, Pa.
717-764-6412

Public Auction Register

Closing Date Monday 5 00 P M of each week s publication

FRI AUG 26 7 PM Public Auction of 150 Head of Registered Select Cows and Heifers Located at New Holland Sales Stables Holstein Promotion Sale

FRI AUG 26 10:30 AM Complete Cattle Dispersal held at Chace Farms, Rt 90, Homer, NY Leslie & Lorraine Chace, owners Jack Woods Livestock & Auction Service, sale managers.

CONSIGNMENT SALE OF FARM EQUIPMENT

OPEN TO EVERYONE
THURSDAY, AUG. 25, 1983

10 A.M. Rain or Shine

Everetts Corner Rt 44 & 300, 6 miles East of Sudlersville, Md. 12 miles West of Smyrna, Del.

EQUIPMENT ACCEPTED on AUGUST 22-23-24 from 8 A.M. to 5 P.M.

For information call
Marvel Everett
302-653-7532 or
Clarence T. Scuse
302-653-7530
Auctioneers & Sales Mgr.
C.T. Scuse & Sons
Marvel Everett

PUBLIC AUCTION

FARM MACHINERY-TRACTOR FURNITURE-TOOLS-HAY

The undersigned having sold their farm will sell the following on the premises known as 1703 Stockton Road, Harford Co., Joppa, MD (Stockton Rd. is off MD Rte. 152 between I-95 and US Rte. 1) ON:

SATURDAY, AUGUST 27, 1983

AT: 9:30 AM

AUCTIONEER'S NOTE: Sale will start with Tools, followed by farm machinery, followed by household goods.

TRACTOR-FARM MACHINERY - Ford 981 gas tractor, tricycle w/3 pt. hitch, live pto, wheel weights, water in tires; Ford 3 pt. 3-14 in. plows; Ford 3 pt. 7 ft. sickle bar mower; Ford hay crimper conditioner; Ford 2 row Model 602 mounted picker husker; Ford Model 542 pto hay baler w/hyd. adj. tongue & shute; Ford 3 pt roller bar side delivery rake; Ford 3 pt. hitch 25 disc harrow; Ford 3 pt hitch 2 row cultivator; Ford 3 pt hitch weeder; Ford 3 pt reversible scoop; Ford 3 pt 5 ft. rotary mower; Ford 7 ft. pto combine, w/50 bushel tank; J.D. fb rubber tire 14 disc grain drill; 8 ft. pull type 32 disc harrow; Dunham 8 ft. cultipacker; J.D. 10 ft. fertilizer spreader; J.D. wagon w/16 ft. corn & hay body; Sears wagon w/14 ft. corn & hay body; 9 N Ford jack; 2 sets tractor chains; some assorted Ford parts; 3 pt tool bar w/hiller; 4 ft. mounted sweeper broom fit most 10 hp lawn tractors, elec. lift; 3 pt. sub soiler and middle buster.

HAY AND LIME - 70 bales mixed clover and orchard grass; 2 lots 50 bales mixed hay; 38-50 lb. bags Barrack lime.

TOOLS AND PONY CART - 2 wheel sulky pony cart; pr. of horse harnesses; several log chains; vise; grease guns; hand tools; garden tools; rotary bolt bin and bolts; 40 ft. alum. ladder; ass't wood ladders; platform scales; lot of hay rope; saddles; woven wire; grain shovel; forks; saws, gas cans, load binders, 2 ratchet spreaders; cast iron tubs; 55 gal. drums; car & truck chains; Pinto wheels & tires; metal roofing; 20 in. tires; r.r. cart; single horse potato digger; shallow well pump & tank; 4 horse or pony jumps; set dbl. tubs; many other small items.

TERMS: Cash or personal check w/proper Id. out of state checks need approval.

Not Responsible for Accidents Day Of Sale

All Items Sold As Is

Owner,
GEORGE BARTRAM

WILLIAM H. AMOSS, AUCTIONEER
Complete Auction & Appraisal Service
2037 Plesantville Road
Fallston, Maryland 21047
PHONE: 879-7272

SAT AUG 27 11 AM Public Auction of Horses Located at Keister s Middleburg Auction Sales, Inc , Rt 555, 3 mi east of Middleburg, PA, 5 mi west of Selinsgrove, PA Don and Walt Keister, Owners Ray Long and Dave Imes, Auctioneers

SAT AUG. 27 - 9 AM Public Auction of Real Estate, Household Goods, Antiques and Etc Located in Stricklertown, Leb. Co. at the foot of the mountain Louella Lyons, Joanne Sherman and Bernice Torre, Owners Weik and Copenhaver, Auctioneers.

SAT. AUG 27 11 AM Public Auction of Like New Farm Equipment. Located on Rt 179, 2 mi. north of Lambertville, NJ, 2½ mi north of New Hope, PA Windaway Farm, Leroy Stout Estate, Owner Col. Fred R Daniel, Auctioneer

SAT AUG. 27 - 9 AM Public Auction of Real Estate, Antiques and Household Goods Located at 419 Washington Ave , Ephrata, PA Edna Mae Martin Estate I Glenn and Timothy G Horst, Auctioneers

SAT AUG 27 9 30 AM Public Auction of Industrial Buildings and Equipment Located approx 5 mi north of Morgantown, PA along Rt 10, Robeson Twp., Berks Co., PA Hydro-Temp, Inc , Owner. Elton Horning, Auctioneer

SAT AUG 27 - 1 PM Public Auction of Real Estate and Household Goods Located 2 mi. north of Intercourse between 340 and 23 at Box 436, Centerville Rd., Lancaster Co , PA Emma S. Petersheim, Owner. Robert E and Jeffrey R. Martin, Auctioneers

SAT. AUG. 27 - 9.30 AM Public Auction of Farm Machinery, Tractor, Furniture, Tools and Hay. Located at 1703 Stockton Rd., Harford Co., Joppa, MD, Stockton Rd is off MD Rt. 152 between I-95 and US Rt. 1. George Bartram, Owner. William H. Amoss, Auctioneer

SAT AUG 27 9 AM Public Auction of Farm Equipment, Shop Tools, Guns, Household, Antiques, Butcher Tools, Milking Equipment and Misc Located following Rt 225 from Halifax toward Elizabethville, approx. 9 mi. from Halifax turn right on Carsonville Rd at Mountain House Hotel, go 2½ mi. to 2nd blacktop turn right, first lane to the left Mrs. Ruth Ann Miller, Owner. Robert J Swartz and Charles C Byers, Auctioneers.

SAT AUG. 27 - 10 AM Public Sale of Farm Equipment located in Cumberland Co. PA traveling I-81 South from Harrisburg take exit 16, turn right onto 641, go to Carlton Ave., turn left, follow Petersburg Rd. to 174 Sale on right Traveling I-81 North from Chambersburg, take exit 15, turn left onto 74, go to Peterman Farm Eq., turn left onto Petersburg Rd., follow to 174, sale on right. Otho and Mary Shields, owners. Melvin and Lamar Sensenig, auctioneers.

PUBLIC SALE

SATURDAY, AUGUST 27, 1983

9:00 A.M.

Directions: Follow Route 225 from Halifax toward Elizabethville, approximately 9 miles from Halifax turn right on Carsonville Road at Mountain House Hotel go 2½ miles to second black top turn right, first lane to the left. Watch for sale signs.

— FARM EQUIPMENT —

IHC 205 Combine with 13 ft. grain head and hames reel; Farmall H Tractor; 1967 IHC 1600 truck with dump grain bed; 1970 Dodge 200 utility truck, needs inspection; J.D. 4 bottom 3 pt. 16 in. plow; Vibra shank 12 ft. transport harrow; IHC 56 forage blower; N.H. forage harvester with pick up and corn head; (2) Lamco self-unloading wagons with roofs (1 and 2 yrs. old); 1 grove self unloading wagon; M.F. forage wagon (as is); N.H. 273 Baler (good shape); (2) high rack wagons (1 with dump); Hawk built No. 201 manure spreader; IHC 1150 grinder mixer; N.H. No. 33 flail chopper; 300 gal. field sprayer; J.D. 493 corn planter (as is); J.D. 7 ft. mower; 20 ft. aluminum grain elevator; 16 ft. grain auger; 30 ft. elevator, PTO and 2 h.p. motor; 3 point Pittsburgh cultivator; J.D. No. 157, 15 double disc grain drill; Clipper seed cleaner; Danuser post hole digger; Hydraulic cylinders to fit all machinery sold separate; 8 ft. disc; 3 bottom 3 point Dearborn plow; 2 row Dearborn corn planter; Sauders loader to fit Ford tractor with bucket and fork; potato plow; Ritchie auto. cattle & hog water (new); 3 point hitch blade.

— SHOP TOOLS —

Huskee air compressor; Sears welder; bench grinder; vise; anvil; 10 Amp. Schauer battery charger; extension cords; shop light; 2 ton comalong; 2 chain binders; log chains; sleeve puller; block and tackle; can't hook; digging irons; picks; bottles and torches; and other tools.

— GUNS —

11:00 A.M.

22 pistol H & R model 922 with holder; 12 Ga. double barrel shot gun C A Bonehill 1886; 1906 Savage 22 with octagon barrel; BB gun; Model 530 A Stevens 16 gauge double barrel shotgun; 12 gauge model 12 Winchester (nickel steel) full choke barrel & modified barrel; 30-30 Winchester model 94-30 rifle; Weaver 2x8 scope.

— HOUSEHOLD & ANTIQUES —

Westinghouse refrigerator; Kelvinator electric stove (4 yrs.); Kenmore dishwasher; Westinghouse automatic washer (needs work); glasslined 52 gal. electric water heater; cedar closet with inside chest; (2) complete bedroom suites; single bed; RCA black & white TV; corner cupboard; 3 piece living room suite; 21 cu. ft. chest freezer; storm windows; new storm door (36x80); red rug (11x14, new); dinette set with 6 chairs; 2 kerosene heaters (1 new); recliner chair; desk, desk chair; baby furniture; metal bed; platform rocker; washstand; stands, table; buffet, chairs; 2 metal closets; heat registers; organ stool, oak side board with ginger bread work; electric heater, Sears dehumidifier; porch swing, lights, crocks, jars; dishes, coffeemaker, ironing board; dry sink, cherry seeder.

— BUTCHER TOOLS & MILKING EQUIPMENT —

No. 22 grinder; 2 gal. stuffer; iron kettle; scraper, hooks; benches, beam scales; 2 Surge milkers; 2 universal milkers; buckets; (2) s.s. strainers; dehorner; cow kickers; cow clippers; fogger.

— MISCELLANEOUS —

Two steel gates (12 ft.); 55 gal. drums, truck bed with cattle racks; 2 chain saws (Homelite, Rem.)' 32 ft. wooden ladder; cinder blocks; chicken equipment; lumber; 2 lawn mowers; motorcycle 360 Husqvarna; Bolens snowmobile; tractor chains; traps & fur stretchers; 55 gal. drum of hydraulic oil; 275 gal. fuel tank; Attrex spray; cast iron trough; forks; 10 speed bicycle; sled; Wizard 5 horse rototiller; corn sheller; (2) 12 ft. platform scaffold ladders.

Auctioneer's Note: Farm has been sold due to death of Husband, Glen E. Miller. Everything goes.

Terms: Cash or good check, I.D. required for bidder No.

MRS. RUTH ANN MILLER
RD 1, Halifax, Pa. 17032
(362-8688)

Owner or Auctioneer Not Responsible for Accidents

Auctioneer, Robert J. Swartz
App. Auctioneer, Charles C. Byers
(717-589-3703)

Food Stand Reserved

Public Auction Register

SAT AUG 27 9 AM Public Auction of Household, Antiques, Collectibles and Many Tools located in Jonestown, PA Go to Jonestown by bridge, 1 mi from bridge, turn at dirt road, sale is 1 mile at the Tim Harrison Property Mrs Phyllis J Harrison and Others, sellers Nevius Auction Service

SAT AUG 27 10 AM Public Auction of Real Estate, Antiques & Collectibles, Guns, Tools, and Household Goods located off Rt 42, 2 mi. south of Catawissa, PA (first rd past Abraczinskas Equipment) and travel 5 mi to auction near Kulp Church Clarence Yocum, owner Hock's Auction Service

SAT AUG 27 11 AM Complete Dispersal of Farm Machinery in exc condition Held at Aberdeen Sales Co Inc on MD Rt 22, Churchville, MD From Bel Air, MD take Rt 22 east 6 mi to sale grounds From I 95 or US Rt 40 at Aberdeen, MD take Rt 22 west 5 mi to same Wilbur Barrow, owner Aberdeen Sales Co Inc managers and auctioneers

SAT AUG 27 12 noon Auction of 74 Holstein Cows and Heifers located at the farm on Connolly Rd, one mi north of 309 and just south of 404 in Cordova, MD. Jack Eveland, owner Harry Rudnick and Sons, Inc, managers and auctioneers

SAT AUG 27 12 PM Sale of Real Estate, Household Goods, Antiques etc located at the Luella Weaver farm, Mahaffey, PA Rt 2, Clearfield Co On Harmony Road between Mahaffey and Harmony Follow signs off Rt 36 at Bishop and Lightner Texaco, south side of Mahaffey Luella Weaver, owner Clayton Winebark, auctioneer

SAT AUG 27 11 AM Auction of 15 Tractors, 4 Combines, Cultivators, Planters and Plows located at the farm formerly known as the William Strausser Farm, US Rt. 50, west of Vienna, MD. From Cambridge, MD take US Rt 50 east approx 10 mi sale on left From Salisbury, MD take US Rt 50 west, approx. 23 mi. to sale on right US Dept of Ag, Farmers Home Admin Pete Richardson Auction Sales

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GAP AUCTION
FRIDAY EVE., AUG. 26
5:30 P.M.

Located off Route 41 - Lancaster Avenue Opposite Turkey Hill Minit Market - Cross RR Bridge.

Selling estate out of Parkesburg, with oak & washstands.

ANTIQUES AND HOUSEHOLD GOODS SOLD AT EVERY AUCTION

CONSIGNMENTS ON MONDAYS FROM 8:00 A.M. to 7:00 P.M.

Call us for pick-up service

IRA STOLTZFUS & SON, Auctioneers

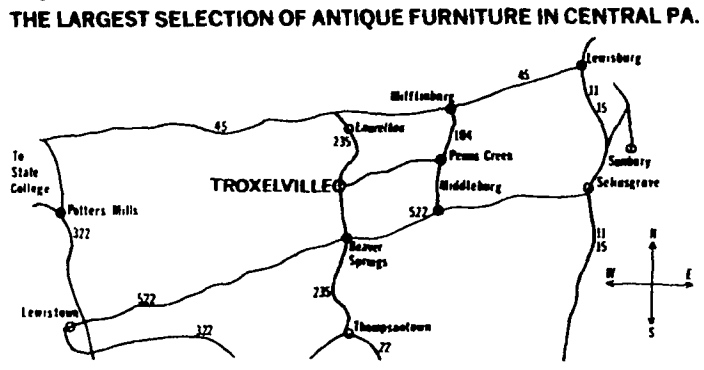
442-4936 or 442-8254

CONDUCTORS ALL TYPES PUBLIC SALES
NO SALE SEPT. 2

PUBLIC AUCTION
2 DAY ANTIQUE AUCTION
MONDAY, SEPT. 5 at 9:30 A.M.
TUESDAY, SEPT. 6 at 9:30 A.M.

Located at Troxelville Antiques, Troxelville, Pennsylvania, Snyder County.

THE LARGEST SELECTION OF ANTIQUE FURNITURE IN CENTRAL PA.



TROXELVILLE ANTIQUES
Phone 717-658-7141

MONDAY, SEPT. 5 at 9:30 A.M.
PRIMITIVES & SMALL ITEMS

One and two-piece dry sinks; Corner Cupboards; One and Two-Drawer Stands; Fruit Cupboards; Hanging Cupboards; Chest of Drawers; Drop-Leaf Tables; Plank-bottom Chairs (some decorated); Plank-bottom Rockers; Dye Cabinets; One and Two-piece Cupboards; Washstands; Blanket Chests; Doll Cradle; Tool Boxes; Benches of all kinds; Baby Buggies; Wood Boxes; Child's Rockers; Quilts and Quilt Patches; Baskets; Granite Ware; Doll Babies; Sponge Ware; Bennington Ware; Crocks and Jugs (some decorated); Brass Buckets; Copper Kettles; all kings of Hanging and Table Lights; Floor Lamps; Record Player; Clocks; Tin Toys; Stuffed Animals; Pressed Glass; Cut Glass; Depression Glass; Salt and Butter Crocks; Rug Beaters; Cabbage Cutters; Post Cards; Griddles; Flat Irons; Toys; Pitcher and Bowl Sets; Roseville; Coffee Grinders; Picture Frames; Dough Boxes; Butter Churns; Spool Cabinets; Quilt Racks; Mirrors; Kerosene Lamps; Waffle Irons; Rope Beds; Decorated Cans; Carnival Glass; Pocket Watches; Pocket Knives (some Sterling); Butter Molds; Butter Prints; Showcases; New Hand-made Imported Rugs; other items too numerous to mention.

TUESDAY, SEPT. 6 at 9:30 A.M.
OAK & MISCELLANEOUS FURNITURE

OAK FURNITURE — Bedroom Suites; Dressers; Washstands; Princess Dressers; Chest of Dressers; Ice Boxes; Square and Round Tables (some with Claw Feet); Sets of Chairs; Rockers; Hall Seats; Beds; Sideboards; Bookcase and Desk Combinations; Stack Bookcases; Lady's Desks; Kitchen Cabinets; Wardrobes; China Closets; Medicine Cabinets; Organ Stools; Clothes Trees; Square and Round Stands; Pedestal Stands; Office Chairs; Flat and Round-Top Desks; Library Tables; Filing Cabinets; Plus More.

Mahogany Dressers; Washstands; Chest of Drawers; Desks; 1930 Bedroom Suites; 1930 Dining Room Suites; 1930 Dressers; 1930 Chest of Drawers; Decorated Bedroom Suites; Hall Tables; Love Seat Sets; Couches; Fainting Sofas; Iron and Brass Beds; Brass Beds; Maple Dressers; Maple Washstands; High Chairs; New China Closets; New Book and Desk Combinations; Hat Racks; Piano Benches; Music Cabinets; Leaded-Glass Windows; Wicker Love Seat Sets; Wicker Couch and Chair Sets; Wicker Chairs; Wicker Rockers; Wicker Ferneries; Wicker Stands; Brass and Iron Floor Lights; Marble-Top Stand; Showcases; Odd Mirrors; Round and Flat-Top Trunks; Sewing Machines; Odd Beds; One Hundred Odd Pressed-Back Chairs; Secretary Desks; Walnut Dressers; Walnut Washstands; Walnut Chest of Drawers; Walnut Stands; Walnut Wardrobes; Spool Cabinet; many items not mentioned.

Owner:
JOE HERMAN
717-658-7141

Jones Auction Service - 717-286-0052
Auctioneers: Mark J. Jones
Dale L. Longacre

PUBLIC AUCTION
REAL ESTATE
FRIDAY, SEPT. 2, 1983
at 6:30 P.M.

Located in the Village of Intercourse, Pa. Along Rt. 340. 3460 Old Philadelphia Pk. Next to C.B. Hoober & Son. Lancaster Co.

Property Consists of 2 Houses & Barn, to be sold as one unit. Lot size is 62 Ft. by 250 Ft. Zoned Commercial.

#1 House — 2½ Story, frame with 7 rooms, 1½ baths. #2 House — 1½ story frame with 6 rooms, bath. Both houses heated by LP Gas. Well water shade trees. Property also includes a 2 story shingled barn & sm. brooder house.

Terms — 10% down day of sale. Balance upon settlement Open house dates are Sat. Aug. 20 & 27 from 1 to 3 PM. More information call Aucts. 717-786-3394.

There are many possibilities with these properties. Its located in the heart of tourist country & just minutes from Lancaster City.

Terms By
Agent for Owner

KREIDER & KLINE AUCTIONEERS

COUNTRY REAL ESTATE
SATURDAY, AUGUST 27
12:00 P.M.

At the Louella Weaver Farm, Mahaffey, PA., Route 2. Located in Clearfield Co. On Harmony Ridge Road. Between Mahaffey and Harmony. Follow sale signs off of Route 36, at Bishop and Lightner Texaco Station. South side of Mahaffey.

2 story frame house, 8 rooms w/bath. Gas heat. Large bank type barn. Potato or fruit storage. 2 story storage shed.

Approx. 107 acre farm. 71 acres crop land. 16 acres woodland. 5 acres around orchard and buildings. Nice laying farm.

Selling at 10:00 A.M. complete household goods, antiques etc.

For further information call 412-286-9806.

Terms on Real Estate - $5,000.00 down, balance upon delivery of deed. Owner reserves right to accept or reject any or all bids on Real Estate.

Owner,
LOUELLA WEAVER
County National Bank-
Trustee for Louella Weaver
Auctioneer: Clayton D. Winebark
Rochester Mills, PA.
Ph. 412-286-9806

LARGE CLEAN-OUT

PUBLIC SALE
REAL NICE YORK COUNTY FARM OF 131 ACRES & 102 PERCH FARM EQUIPMENT & 80 YEARS OF UNTOUCHED HOUSEHOLD, GUNS, ETC.
SATURDAY, SEPTEMBER 3
AT 9:00 A.M. Sharp!

Due to health will sell, at Public Sale, on the premises, located 7 miles West of York on Route #74. At Dover square and traffic signal turn west 1 mile to Salem Strayer Church and turn North onto N. Salem Church Road 1½ miles in Dover Township, York County, PA

1:00 PM--REAL ESTATE--1:00 PM

Farm containing 131 acres and 102 perch, less buildings, lying and being at the aforementioned locations. Improvements: A 2½ story 8-room brick home; First floor consists of 4 rooms and frame attached summer kitchen, front and rear porches; Second floor contains 4 bedrooms, storage attic, full basement with cement floor and outside entrance. Home has electricity and running water and a nicely landscaped lawn. Erected thereon a new 40' x 66' western style bank barn, erected 1959. First floor is cemented and open for beef cattle with rack and trough, Cement silo, 2 cement block pig pens, like new, meaturing 28'x50'x18'x25', Frame poultry house 14'x40', Corn barn, combined frame garage and machine shed plus a number of other outbuildings.

NOTE: Nearly all of the 131 plus acres is very nice and clean productive soil. There are 6½ acres of good growing trees, 2 wells of water with running water through buildings. Most buildings in good state of repair.

INSPECTION OF REAL ESTATE: Contact owner at location or phone: 717-677-7479 the auctioneer.

TERMS REAL ESTATE-15% WHEN STRIKEN DOWN WITH BALANCE IN 30 DAYS WITH FULL POSSESSION. Other terms announced day of sale.

NOTE: 1500 feet of road frontage on blacktop road graces this farm. If you are looking for a good farm plan to attend this sale.

FARM EQUIPMENT

Oliver #77 tractor, gas; JD B on good rubber; 2 McD 2-14" plows; McCormick 20 22" disc; Oliver 28 18' disc; 9' Single roll packer; 4-section spring tooth harrow; 60 tooth peg harrow; JD 15-7 disc grain drill; Nice Oliver 2-row corn planter; Massey Harris Clipper 6' Combine, PTO; New Idea #7 single row corn picker; Mc-D corn binder with sheaf carrier; Mc-D ensilage cutter; Cross 30' hay or grain elevator with 1 HP motor; JD wire tie baler; JD 10' hammer mill; Case manure spreader; 2 Side rakes; 2 Rubber tire wagons, 1 Grove and 1 Oliver, both with flats and sides; Flase end gate power unit; New Idea hay loader; Tractor wood saw and blade; Cement mixer; New 10' metal gate; New roll of 4' wire; 5 Cast iron hog troughs; Blacksmith forge; Anvil; Drum of 10-30 oil with pump; 3 Chicken coops; 7' power saw; Lumber 4x4x14', 2x4x14' and 1' boards; 2 Seed sowers; Wagon load of assorted tools.

ANTIQUES

Walnut 6-leg dropleaf table 44" long 19½' leaf; Single blind door plain end floor cupboard; Large dovetailed blanket chest; Large woodbox, dovetailed; Set of 6 plank seat chairs; Set of 6 press back chairs; Set of 6 cane bottom chairs; Set of 3 bedroom press back with rocker; Press back rocker; Nice drysink; Yellow grain plain end jelly cupboard; Empire jelly cupboard; Nice 4-piece oak high back bedroom suite; 2 Oak extension tables, 1 a dropleaf; 2 Oak highback beds; 3 Nice rope beds, la trundle, 1 attic, 1 high back; Iron rod bed; High chair; Oak buffet with carvings; Oak library table; Spinning wheel parts; Empire bureau; Empire wardrobe with mirror in door; Oak bedroom commode; Spool stand; 1-Drawer nite stand with shelf; Oak case 8-day shelf clock; Morris chair; Barrel butter churn; 2 12 doz. humpty dumpty egg crates; Large copper kettle; 2 Brass kettles; Egg and market baskets; 2 Iron cook-pots; Oil heater; Old penn air nickle trim coal room heater; 2 50 lb. milk cans; Oil lamps; Coffee grinder; Iron griddle; Coal buckets; Cream separator; Nice Prizor coal or wood cook stove, cream and brown; 3 Barn lanterns; 10 plate stove base; Grain cradle; Cross cut saws; 2 Cast iron kettles; Lard press; Meat grinders; Meat hooks and scrapers; 30 stone crocks, various sizes; Wood pulleys; Single trees; Wooden tubs; Stone jugs; Old dishes.

MODERN: 5-Piece walnut veneer bedroom suite; Cedar chest; New Premier vacuum cleaner; Davenport; GE Electric stove; Ice Cream freezer; Reo 21' rotary mower.

GUNS

Remington 12 Ga. hammerless pump shotgun; Model 98 8MM 1939 rifle; Remington 32 cal. hex barrel; Hamilton Mdl #27 22 cal.

Many items too numerous to mention.

Not responsible for accidents.

Lunch stand at sale.

ORDER OF SALE: Wagon load tools, Household, farm equipment, real estate and guns.

TERMS-PERSONAL PROPERTY-Cash or Travelers checks. No out of state checks if not known.

Owner,
GEORGE F. RODGERS
5631 N. Salem Church Rd.
Dover, PA

CLAIR R. SLAYBAUGH, Auctioneer
Idaville, PA
Phone: 717-677-7479

FEATURING FIRST
AND THIRD MONDAY
EACH MONTH

GRADED FEEDER PIG SALE

1:30 p.m. Sharp!

Telephone 302-734-2016 or 284-4541
Tele-O-Auction - 302-284-4912

* Tele-O-Auction - Bid over the telephone.
* Easy to reach - Rt. 13, on South Bound Lane, approximately 10 miles South of Dover, Delaware.
* Quick Service - Load & Unload.
* No Dealer pigs.
* Pigs received after 7 a.m. until 11 a.m.
* Consignors - Paid day of sale.
* Veterinarian inspection on premises - Dr. Towers.
* State Graded.
* Pseudorabies Free State.

Auctioneers-Harry Barrett - Chester Lee Carroll

AUCTIONS OF ALL TYPES

Public Auction Register

Closing Date - Monday, 5:00 P.M
of each week's publication

PUBLIC AUCTION

FARM MACHINERY, HOUSEHOLD ITEMS, ANTIQUES, ETC.

Of the late Merle Stugart, 1 mile S of Elimsport, Pa. Auction arrows off Rt. 44. 10 miles S of Williamsport.

THURS. EVE., AUGUST 25, 1983
Starting 5:30 P.M.

Farmall Super MTA gas RC tractor w/3 pth, LPTO & hyd , good; Ford 8N tractor, 3 pth items include MF 7' balanced head mower, JD 3-16" plows, Dearborn 2-14" plows, 2 row cultivators, etc. IH 5' chopper, harrow, rake, others DB 12" hammermill, Kawasaki 100 motorcyle, 74 Ford pinto, etc. drysink, butcherkettle, cookstove, Lowery dbl. keyboard elec. organ nice, other antiques & house items, etc

Owner
MARVINE STUGART
Conducted by
Fraley Auction Co. 546-6907

SAT AUG 27 10 AM Public Auction of Building Material Located at Goods Auction, 111 N Maple Ave , Leola, PA Paul Horst and John Fry, Auctioneers

SAT AUG 27 9 30 AM Public Auction of Tobacco Equipment, Antiques and Misc Items. Located at Meads Tobacco Co , Red Lion, PA, on Lancaster Ave., 2 blocks from the square off S. Main St Fred Meads, Owner. Nelson Ahrens and Ralph Brenneman, Auctioneers.

SAT. AUG. 27 - 10 30 AM Public Auction of Tractors, Harvesters, Power Unit and Antiques Located at Gockleys Farm Machinery, Reinholds, RD 2, Lancaster Co., PA. Jacob H Gockley, Owner. Blaine Rentzel and Ed Goodrich, Jr , Auctioneers

SUN. AUG. 28 - 1 PM Public Auction of Cattle. Located at the farm near Woodsboro, MD. Dr. and Mrs Lee E Miller, Owners Mike Jones, Auctioneer

MON. AUG. 29 - 7 30 PM Special Feeder Cattle Sale of 1000 Head Yearlings and Steers held at the Tri State Lvstk Mkt in Abingdon, VA

TUES AUG 30 7 PM Public Auction of Swine Located at the farm, Larry Leffel, New Knoxville, Ohio 419-753-2281

TUES AUG 30 - 5 30 PM Farmersville Auction in Farmersville, 3 mi. East of Brownstown, Lancaster County, Pa. John J Rutt, Auctioneers.

TUES. AUG. 30 10 AM Special Feeder Cattle Sale of 1200 Head Holsteins and Steers held at Rockingham Lvstk Mkt. in Harrisonburg, VA

TUES AUG. 30 - 10 AM Auction of Woodworking and Metal Working Machinery located at Industrial Pattern Works Inc , 1370 Roosevelt Ave., York, PA. Stephen L. Wintermitz, Inc. auctioneers.

WED. AUGUST 31 - 1 PM PA Classic Ayrshire Sale, Guernsey Sale Barn, Lancaster, PA, Milt Brubaker, Sale Manager.

WED. AUG. 31 - 7 PM Special Feeder Cattle Sale of 600 Head Holsteins and Steers held at the Lynchburg Lvstk Mkt in Lynchburg, VA.

SEPTEMBER

THURS SEPT. 1 - Monthly Cow Sale at Mel Kolb, Inc Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

THURS SEPT. 1 - 6 PM Public Sale of valuable farm equipment, oak lumber, etc. Located along Rt. 516 in Codorus Twp , York Co. PA. 1.9 miles north of Sticks Intersection (RTS 216 and 516), 3 miles south of Jefferson Borough (watch for signs, will offer at the farm). Owners, Alton and Clarice Dubs, C.C Miller and Sons, Auctioneers.

THURS. SEPT. 1 - 6 PM Public Auction of Farm Equipment, Oak Lumber and Etc Located along Rt. 516 in Codorus Twp., York Co., PA, 1 9 mi. north of Sticks Int , Rt. 216 and 516 and 3 mi. south of Jefferson Boro. Alton W. and Clarice Dubs, Owners. C.C. Miller and Sons, Auctioneers.

PUBLIC AUCTION

Rain or Shine
SATURDAY, AUG. 27
9 A.M. "SHARP"
Jonestown, Pa.

Go to Jonestown-by Bride-Watch for Auction Signs-1 mile from bridge, Turn at dirt road-Sale is 1 mile-at the Tim Harrison Property

HOUSEHOLD-ANTIQUES-COLLECTIBLES-MANY TOOLS
JIM BEAM BOTTLES-J. W. DANTE BOTTLES
COMPLETE SET 1969-#8 EDITION FIELD BIRDS (MILK GLASS)

Oak side by side section cabinet with mirror & drop front desk (a beauty), Old Telegrapher Key (good), Old drop front desk with pigeon holes (also a beauty), Oak rocker, Old oak Singer sewing machine, Old household treadle sewing machine with wood bobbins, Drop lead table, oak Pedestal table with claw feet, oak Pedestal table with round feet, old oak wall telephone-crank on side-battery operated (perfect), wood butter churn, butter bowls, butter ladles, Old pine dry sink-with flower drawer-2 doors, 3 drawer dresser (Dovetailed), Walnut octagon 8 leg hall table, Oak upholstered fainting couch (a beauty), Oak 4-drawer dresser & mirror, many oak rockers, High cupboard with 2 drawers-2 doors, Old bedroom suite, Wash stand, Bed, Dresser & Mirror, Plank bottom chairs, Old ice cream parlor chairs-old iron wire backs, Many other oak dressers & mirrors (all nice), Oak hall stands, Caned rockers, 21 inch Color TV (wood cabinet), Birdseye Maple Wardrobe & dresser & mirror, Maple bed, Sears Automatic Washer, Upholstered Recliners, Vinyl Recliner, director chairs, Pineapple tree light, Sump pumps.

Paper log roller, Many Nice Hall Tables, Old oak typewriter desk, Humidifier, 3 automatic washer & dryers, Chrome Kitchen Table & Chairs, Vinyl sofa & chair (with pull out bed), Picture Pump, Old Library Table, Maple electric sewing machine & cabinet & chair, Spartin portable sewing machine, many odd good old chairs, Child's plank chair, solid hardrock heavy maple dining room table with pull out ends & 4 chairs (beautiful), End tables, Coffee tables, Dressers, Mirrors, Baby Crib (complete), 4-pc. Blonde bedroom suite with box spring & mattresses, Many old pictures & frames, Twin beds, Cooper boiler, Turtle back trunks, square trunks, coat trees, 6 milk cans, Milk glass, Knick Knacks, Old Kerosene Hanging Lamp, Bracket & Lamp, Sad irons, 2 small oak wall phones-ringer on side, Mounted Deer Head with mirror & feet, Table lamps, Floor Lamps, Pots, Pans, Dishes, Kitchen Utensils, Old glass lined Thermo jugs, Pressure Cookers, Coleman lights, 3 various sizes Camp Stoves (Coleman), Canning jars, Complete Stereo Set (with speakers-8 track), Suitcases, Fishing Poles, Quartz Heaters, Puzzles, Books, Kerosene Lamps, Red Vases, Carnival glass, Depression, Many other nice pcs. of glass-too numerous to mention, Wicker Baskets, Tupperware, 6 foot Mounted Tarpin, 4 large Magnavox Speakers-Woofers & Yweeters (good).

2 Meat Smokers, Sun Lamp, Modern Corner Cupboard, Sears Carpet Cleaner, Jim Beam Bottles, 100th Baseball, Pa. History State, Charles the 1st, Bagpiper, Florida Seashell, 8th edition by J.W. Dante (Field Bird Collection), Russian Cossack Bottle, Don Quiote Bottle, Wood Duck, Early Times-1776x1976, Beam Las Vegas Bottle, Beam Grouse Bottle, Beam Ducks Unlimited-N.J. Bottle, Michter's Pot-Still Bottle, Cigar Store Indian Bottle, American Legion J.W. Dante 50th Anniversary Bottle, Rollaway Bed, Old sink, Old Picture Post Cards, & many old stamps from 1900 & up-from all over the world, George Dickel Bottle, with Leather Case Bottle, Ezra Brooks Stove Bottle, Stove Michter's Sour Mash Bottle, Pipe Bottle, Barsottini Pipe Bottle, Old Bottles, Huntingdon Mills Milk Bottle, Shiloh's Consumption Bottle, Foley's Honey & Tar Bottle, Borden's Malted Milk Bottle, Franklin Bottle, Larkin Bottle, Gilbert & Bros. Co. Bottle, Mason Bottle, & many more, wood clothes dryer, 3 H.P. Bark Buster Log Splitter (like new), Old Scythes, Forks, Shovels, Axes, Crosscuts saws, Rakes, & many more, 1-ton Chain Hoist, Wheel Barrow, Hand Truck, DeWalt 8" radial arm saw-with base, Bench Grinder & Motor, Nuts, Bolts, Screws, Mud Box, 2 Wood Machines, Tool Boxes with drawers, 5 ton Floor Jack, Copper Tubing.

Many tool boxes, Hand Tools, Brass Blow Torch, Brace & Bits, Many, Many Tools, Nails, 8 H.P. 24" Snow Blower (good), Rotary Lawn Mowers (good), Power Reel Mower, Hand wrenches, Floor scrubber, Skil 3" Belt Sander, Disk grinder, Skil driver, Hedge Clippers, Skil ½" Drill, 110 & 12 volt spotlights, Cast Iron Kettle, Machinist Tools, Lawn sweeper, Wards Gas Weed Wacker, Stainless Steel Fasco Stove Vent, Window Fans, Metal Cabinet, Old wood Box Planes, Old wood pipe vice, Army blankets, Bow & arrows, 2 CB Sets.

DON'T MISS THIS ONE!
Many Many Beautiful Items Too Numerous To Mention
This is just a partial listing.
Don't Miss This One! Something For Everyone...
And All Nice!

Statements made day of sale take precedence over previously written material.
Owner or auctioneers not responsible for accidents.

Terms of Sale: Cash

SELLERS:
MRS. PHYLLIS J. HARRISON & OTHERS
Nevius Auction Service
Auctioneers — Licensed & Bonded
(717)752-4214-Box 187, Mifflinville, PA. 18631
Dan Nevius (717)752-4214
Olen Knecht (717)683-5955

CLERK-Jay Leiby
LUNCH-YES
COME EARLY—WE MOVE FAST!

Give Us a Call-We Do It All!

SATURDAY, AUGUST 27, 1983
10:00 A.M. Sharp

Turn East off Route 42, Two miles South of Catawissa (First Road past Abraczinskas M.F. Equipment) and travel 5 miles to Auction. Near Kulp Church.

FARM REAL ESTATE, 26 ACRES MORE OR LESS

All Tillible to be offered at 12:00 Noon. Two Story Frame Home with Three Bedrooms on Second Floor and 2 Rooms, Kitchen, Bath and Large Closed in Fornt Porch on First Floor. Hot Air Furnace, Electric Heat on First Floor, Siding, Storm Windows, Concrete Basement Floor. Roof Two Years Old and Home Painted Last Year, 200 Amp Service. To the Rear of Home is a One Car Frame Garage, Chicken House with Shed and Corn Crib.

ANTIQUES & COLLECTIBLES

Oak Dry Sink (Refinished); Cherry Dropleaf Table with Drawer (Refinished); Oak Lamp Stand; Large Oak Ice Box; Bedroom Suite (High Back Bed, Dresser, Wash Stand); Oak Singer Tredal Machine; Hoosier Cupboard; Oak Wardrobe; Oak Rockers; Wicker Baby Carriage; Flat Top Trunk; Oval Picture Frames; Lyrolian Victoria; Fancy Wood Youth Bed; Cradle; Book Cabinet with Doors; Canvas Bucket; Gas Lamp; Bracket Lamp Base; Rayo Lamp; 2 Quilts; Quilt Patterns and Patches; 2 Glass Turkeys; 2 Small Metal Oil Lamps; WORLD WAR I ARMY UNIFORM AND MAP; Fancy Work; Wood Boxes; Old Books; Sewing Baskets & Boxes; Xmas Decorations; Stone Bowls (8) and Crocks; Tea Kettles; Wicker Basket; Sad Irons & Trivet; Depression Glass and other Glass; Avon Bottles; Copper Butcher Ladel; Miners Test Lamp; Cross Cut Saws; Flail; Corn Sheller; Grind Stone; Clover Seeder; Shoe Last; Augers; Jelly Cupboard; Water Pump; Chest; Wood Measure; Tongs; Oak Bed; Wood Plane; Kraut Stomper; other items not mentioned.

GUNS, TOOLS, CAR

Lefever Arms Co. 12 ga. Double Barrel (Hammerless); Savage 32 cal. Automatic Pistol; Electric Spray Guns; Craftsman Power Hand Saw in Metal Case; Hand Tools; Yard Tools; Drill Bits; Nails; Animal Traps; Gun Cleaning Kit; Extension Cords; Chicken Crate; Power Push Mower; New Fire Extinquisher; 1964 Skylark Buick, 4 Door, Auto., V-8, 70,274 mi. (Needs Windshield).

APPLIANCES, FURNITURE, HOUSEHOLD

Westinghouse Frost Free Refrigerator with Top Freezer; G.E. Automatic Washer (1 yr. old); Kenmore Heavy Duty Dryer; Harwick Gas Stove; 15 cu. ft. Coldspot Thin Wall Chest Freezer; Sylvania 19 in. Color Tabel Model T.V.; Lazy Boy Lounge Chair (New); Rose Sofa; Dining Room Suite (Table, Buffet, 6 Chairs, China Closet); Bed Room Suite (Double Bed, Dresser, Vanity; Chrome Kitchen Set (Table, 6 Chairs); Edison Sewing Machine and Table; Utility Cart; A1. Folding Chairs; Maytag Square Tub Washer; LANE CEDAR CHEST; Electric Fan; Table Radio; Metal Wardrobe; Iron Double Bed; Afgans; Milk Glass; Set Homer Laughlin Dishes; Kitchen Utensils; Many Dishes and other items not mentioned.

TERMS: Personal Property — Cash or Good Check
Real Estate — $3,000 Down day of Auction with Balance in 30 days.
To view Real Estate call Auctioneer evenings at 799-5351 For Appointment.

Seller:
CLARENCE H. YOCUM
By John M. Yocum, P.O.A.
Richard Roberts, Attorney

Statements made day of Auction take precedence over printed matter.

HOCK'S AUCTION SERVICE
—AUCTIONEERS—
DONALD E. HOCK — 784-7849
GEORGE J. HENRY — 799-5351

Public Auction Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

FRI SEPT 2 - 9 AM Public Auction of Machinery Located at the Belleville Livestock Market, Belleville, PA

FRI. SEPT. 2 - Shade Acres Production Sale of 50 Head of Registered Holstein Located in Alexandria, Huntingdon Co., PA. Klings Auction Service

FRI. SEPT. 2 - Public Auction of Farm Machinery Located on Rt. 371 midway between Cohocton and North Cohocton, NY, at the Terry Wilkins Farm Pirrung Auctioneers, Inc

FRI SEPT 2 - 6 30 PM Public Auction of Real Estate Located in the village of Intercourse, PA, along Rt 340, 3460 Old Philadelphia Pk, next to C B Hoober and Son, Lancaster Co Agent for Owner, Owner Kreider and Kline, Auctioneers

FRI SEPT 2 - 11 AM Shade Acres Production Sale located 7 mi west of Huntingdon, PA off Rt 22 turn on Rt 305 east at Alexandria, after crossing RR tracks on 305, go straight ahead, first left after church, 25 mi south of State College, PA Geary E and Judy F Shade & sons, owners Managed by Kling's Auction Service

FRI AND SAT. SEPT 2 and 3 - 9 30 AM Public Auction of Antiques, Collectibles and Household Goods Located at Troxelville Antiques, Troxelville, PA, Snyder Co Joe Herman, Owner. Mark J Jones and Dale L Longacre, Auctioneers

SAT SEPT 3 - 12 30 PM Public Auction of Sheep Located at PA Dept of Agric Meat Animal Evaluation Center, 651 Fox Hollow Rd, State College, PA.

SAT SEPT 3 - A Public Auction of Real Estate Located 7 mi west of York on Rt 74, at Dover square and traffic light turn west 1 mi to Salem Strayer Church and turn north onto N Salem Church Rd, 1½ mi in Dover Twp, York Co, PA George F Rodgers, Owner Clair R Slaybaugh, Auctioneer

SAT SEPT 3 - 10 AM Public Auction of Real Estate, Machinery, Household Goods, and Guns located in Conowingo, MD, 5 mi north of Maryland line from Rt 1 along Rt 222 or 8 mi south of Wakefield, PA along Rt 222, Cecil Co., east on Ragan Rd Roman Krouss Sr estate Kreider & Kline, auctioneers

SAT SEPT 3 - 9 AM Public Auction of Tools, Household, Collectibles, and Antiques located 217 E 4th St, Berwick, PA. Donald and Madeline Shrader, sellers Nevius Auction Service

SAT SEPT. 3 - 12 Noon Consignment Sale-Giant Quilt Auction located at Keister's Middleburg Auction, Rt. 522, RD 3, Middleburg, PA

Auction

on the premises

TUESDAY
AUGUST 30th., at 10 A.M.
BY ORDER OF
INDUSTRIAL PATTERN WORKS, INC.
1370 ROOSEVELT AVENUE
YORK, PA.

Woodworking & Metal Working Machinery
2-Pattern Mills: Wadkin Type W.X. Universal Pattern Miller & Wadkin Type L.Q. * 2-Surfacers: Whitney 24" Mdl.S-205 & Rockwell-Delta 13" * 3-Turning Lathes: Oliver 86" x 60" Pattern Maker's Lathe; Wadkin 10" x 82"; Atlas 12" x 36" * 8-Bandsaws: 2-Tannewitz Mdl GH 36"; Oliver 36"; Crescent 20"; Rockwell 20"; Delta 14"; Rockwell 20" Metal Cutting; Kalamazoo Horiz. * Rockwell-Delta 14" Var. Saw * 2-Cut-Off Saws: B & D DeWalt Radial; Porter No. 43-20A * 3-Jointers: Rockwell SCMI 16"; Northfield 24" & Rockwell 8" * 8 - Disc Sanders: 4 - Master 24"; 2 - State 20"; 2-Rockwell 12" * 3-Tilting Vert. Spindle Sanders * Mazak 18" x 84" Engine Lathe * Bridgeport Var. Speed V-Ram Mill * Hercules 4'-9" Radial Drill * Universal Shaper * 5-Drill Presses * Grinders * 1980 Caterpillar 8000 Lb Fork Lift * 1974 Ford Stake Body Truck * 1974 Ford Pickup * Pattern Making Supplies & Lumber * New & Used Hand Tools Olivetti ET 221 Memory Typewriter * Shop & Office Furniture & Fixtures * Etc.

TERMS Cash or Cert Check
INSPECTION Starting Wed Aug 24,
Weekdays Only 9 A M to 4 P M
For Free Illustrated Brochure, Contact

STEPHEN L. Wintermitz, Inc
Industrial Auctioneers • Appraisers
444 FRONTAGE RD
NORTHFIELD, IL 60093 • 312/446-9510
PA LICENSE # AU 001026 L

AUCTION SALE
THURS., AUG. 25 9 A.M.

The sale will be held at Capitol Equip.'s shop & yard facility, 421 Amity St., Harrisburg, Pa. (Behind Jewelcor)

OFFICE EQUIP.: Secretarial desks, file cabinets, conference table, credenzas, secretary chairs, metal desks, chalkboard, letter bxs, cabinets, shelving units, misc. office supplies
SHOP EQUIP. & TOOLS: Shop compressors, drill press, welder, steam cleaner, torque wrench, shop "A" frame sanders, grinders, parts washer, chain hoist, saws, drill, chisel, jacks, rubber cutter, hand tks., tap & die sets, spud wrenches, torch sets, bottle carts, gas heaters, battery chargers, rigging chain & slings, jack stands, valve seat grinders, brake riviter, creepers, pipe wrenches, pipe vises, bolt bins, nuts, bolts, shop carts, shop tables, parts cabinets, NEW grease guns, hand tools.
PUMPS: Submersible, trash, centrifugal, New & used suction & discharge hose, strainers & hose couplings
STAKE TKS.: '80 Chev C70 (*subj to owners confirmation), '80 Ford Custom F350
TRAILERS: '79 Eager Beaver 6 ton, Eager Beaver 3 ton
CONST. EQUIP.: Clark 4,000# & Yale 3,000# Forklifts, Rosco 1 1/2 ton (NEW), Walk Behind, & Trench Rollers, Davis 430 Loader, Schramm Pneumatractor, Schramm Crawler Mtd. Drill Rig, Buckets, Trencher Parts, Winch, NEW Reels of Wire Rope, Misc. Roller Chains, AND MUCH MORE
***Terms*: Complete Payment Sale Day in Cash or Guaranteed Funds Only. The real estate is available for private sale; for info, contact John Robbins (717-234-3121). Write or call for descriptive brochure:**

VILSMEIER AUCTION CO., INC.
Rt. 309, Montgomeryville, PA. 18936
(215) 699-5833

PUBLIC SALE
TWO DAY SALE OF ANTIQUES, HOUSEHOLD GOODS, OLD TOOLS, IRON, TIN, BRASS & FARM ARTICLES
FRI., AUG. 26, 1983 at 10:00 AM
SAT., AUG. 27, 1983 at 10:00 AM

Loc. along Leike Rd., RD#2 Parkesburg, Chester Co., PA (take Rt. 30 about 16 miles east of Lancaster to Rt. 10; turn right go about 1 mile to Leike Rd. turn right to sale; watch for signs)

FURNITURE: fine pine dutch cupboard, fine early pine high jelly cupboard, Lots of other antique furniture in: pine, walnut, oak, plank bottom, maple, mahg., uph., etc. LG. APPLIANCES: Gibson upright freezer & refrig., Hot point range, Maytag auto. washer & dryer, Sylvania floor model color TV, etc. RUGS: oriental, hooked, etc. Picture frames. COLLECTION OF LANTERNS. LG. SELECTION OF ARTICLES IN: iron, copper, tin, brass, wooden, agate, crockery. COLLECTION OF ALL TYPES OF SCALES IN: brass, iron & tin. LAMPS: dome & sq. Tiffany type, pole, table, etc. All sizes & shapes of oil lamps. GLASSWARE & CHINA IN: red RS Prussia, German, pressed, dec. ironstone, Noratake, Nippon, ironstone, English, Austria, vaseline, cobolt blue, Jap., pink dep., cut glass, milk glass, dark purple, etc. Misc. household goods. LOTS OF OLD HAND, GARDEN & BUTCHERING TOOLS. Old horse articles.

ARTICLES TO BE SOLD FRIDAY: all tools, horse articles, tin, iron, brass, copper & wooden articles.

ARTICLES TO BE SOLD SATURDAY: furniture, lg. appliances, antique glassware & china, tin, iron, brass, copper, wooden articles, household articles.

Sale to be held under tents both days. Plenty of parking. Not responsible for accidents day of sale. Food served. No out of state checks.

Sale by
MR. & MRS. JOSEPH KEPIRO
Howard Shaub 464-3541 (717)
and Roy C. Probst
Auctioneers

KEYSTONE CLASSIC AYRSHIRE SALE
WEDNESDAY, AUG. 31, 1983 1:00 P.M.
Guernsey Sales Barn, Lancaster, Pa.
8 COWS 11 FRESH HEIFERS 7 BRED HEIFERS

COWS

By Oak Ridge Flashy Fortune 'V.G.'
(P.D.+254M +.07% +18F) with
15,674M 3.8% 594F
Dam has 16,694M 4.1% 679F
G-dam Lifetime 151,497M 4.0%
Charles Gable

Fresh Cow, barn record 15,259M 357 days
Hi Kick dam sold for $2550
G-dam 16,322M 3.9% 638F
Elaine Maulfair

Due sale day, 11,547M 4.2% 480F at 3 yrs.
Hi Kick dam 13,919M 4.1% 571F
Ann Young

Meredith Cavalier 'Ex'
(P.D.+653M +.14% +41F) with 3-2 yrs.
13,785M 4.1% 570F
G-dam: Fairdale Betty Prediction Gem 'V.G.'
16,880M 4.1% 697F
Fullsister - Fairdale Betty Gem 'Ex'
32,250M 3.4% 1,109F
Gregory Kilmer

Homebred Cow 11,280M 4.0% 454F at 1-11 yrs.
G-dam 5 Records Avg. 14,090M 4.3% 614F
Warren Schmuck

FRESH HEIFERS

An Oak Ridge Super Star
(P.D.+750M +28F +$99)
Dam has 14,409M 3.9% 562F at 4 yrs.
Paternal G-dam 143,560M 4.9% 7,048F
Earl Keefer

---

2 Fresh heifers, one dam 13,679M 511F
Other G-dam 16,862M 3.9% 666F
Lifetime 107,951M 4.1% 4472F
Bruce Kern

---

2 Fresh heifers, one dam 14,451M 514F
Other dam 13,484M 4.2% 569F
Both by plus proven sires
Alvin Zook

Dau. of Shareholder (P.D.+419 +$42)
Dam has 13,570M 4.1% 551F
John Tshudy

---

2 Fresh heifers G-daughters of
Donholm Jack Choice 'Ex'
(P.D.+528M +.06% +27F)

BRED HEIFERS

Dau. of 4th highest P.D. milk bull of breed.
Gallant Man +1341M 50F
Out of Albidam 15,173M 4.1% 621F.
Bred to H.K. Barry (P.D.+1178M +36F +$142)
Delaware Valley College

By Oak Ridge Commander Star
(P.D.+$79 +687M +19F)
Out of Gallant Man dam with
14,640M 4.2% 622F
James Martin

G-dau. of Hi Kick
(P.D.+$172 +1452M +43F)
Out of Meredith Harry
dam 13,527M 4.4% 592F
John Tshudy

Dau. of Betty Chad 'Ex'
(P.D.+$109 +1121M +19F)
Out of Pride
dam 16,824M 3.9% 659F
Howard Webb

Dau. of Meredith Liberator 'Ex'
(P.D.+$94 +650M +.03% +29F)
Dau. of Commander Pride 'V.G.'
(P.D.+$97 +998M +17F
Both due sale time.
J. Cletus Rhodes

Good Lunch At Sale
Auctioneer
A. Doty Remsburg
Jefferson, MD.

Free Catalogues
Milt Brubaker
595 Snyder Hill Rd.
Phone 717-626-5788

Keller Farm Dairy Inc.

Complete Herd Dispersal

LOCATION: At Catawissa, Pa., 4 miles South of Bloomsburg, Pa., on Route 487, 5 miles South of Route 80 in Columbia Co.

THURSDAY, AUG. 25, 1983

AT 10:30 A.M.

123 HEAD CHOICE GRADE HOLSTEIN DAIRY CATTLE SELL 123

This free stall herd consists of **64** outstanding young milking age animals, many fresh now, springers, Oct., Nov. freshening, balance various stages of lactation; all with good legs and feet, sired by choice Registered sires and bred animals in calf to real good bull. This herd averaging 49 lbs. daily. **20** good sized bred heifers due Sept. to Nov.; **18** well grown 1 yr. old heifers; **19** 3 weeks to 10 months old started heifer calves that would suit any good dairyman.

SALE MGRS. NOTE: You will have the opportunity to purchase some of the best at Kellers.

Interstate Tested Catalogues Pregnancy and Vet Checked 8/10/83

CATTLE & MILK EQUIPMENT

11 calf hutches made of 5/8" exterior plywood and painted; hutch portable feeder with feed box and water tank; **6** show blankets, various sizes; **76** Showease suspended free stalls, only 2 yrs., in use; Universal pipeline milker with approx. 100 ft. glassline and Universal pump with 5 horsepower motor; **400** gallon Girton bulk tank with compressor; **2** feed carts; 24" portable barn fan.

For private sale after dispersal, all equipment necessary for complete jug milk operation.

TERMS: CASH OR GOOD CHECK SALE DAY

Clarence C., Kathleen V., Robert L., Nancy J. Keller, Owners

D. O. Rockwell & Associates, Sale Managers
Troy, Pa. Phone 717-297-3460

LUNCH AVAILABLE

Public Auction Register

WE BUY AND SELL HERDS FOR OUR

REGULAR MONTHLY SALES HELD IN OUR STATE APPROVED HEATED BARNS AT SMOKETOWN QUALITY DAIRY SALES

Located East of Rt. 30 along Rt. 340 near RT. 896, Smoketown, Pa.

IF YOU HAVE A GOOD HERD OF DAIRY COWS OR HEIFERS, REGISTERED AND GRADES TO BE SOLD, WE WILL SELL THEM FOR YOU.

WE HAVE THE MARKET FOR REGISTERED AND GRADE YEARLINGS, OPEN HEIFERS AND BRED HEIFERS.

PRIVATE SALES DAILY
WE ARE SELLING DAIRY COWS, SPRINGING HEIFERS AND FRESH HEIFERS DAILY EVERY WEEK

NEXT CATTLE SALE TUES., SEPT. 6th 8:00 P.M.

"We aim to please and satisfy customers is our first concern". Years of experience.

PHONE 717-393-0930
Gordon W. Fritz, Licensed and Bonded

SAT. SEPT. 3 9 AM Public Auction of Real Estate, Antiques, Household Goods and Quilts -Located at 703 Main St, corner of Rt 272 and Main St., Akron, PA. Bertha K Shirk, Owner. T. Glenn and Timothy G Horst, Auctioneers

MON. SEPT. 5 - 10 AM Public Auction of Tractor, Butchering Equip. and Shop Tools. Located at 11 N. Peter St., New Oxford, PA. Mrs Lester Walton, Owner. Dennis J Plunkert, Auctioneer

MON. SEPT. 5 - 9 AM Public Auction of Real Estate, Antiques and Household Located at 439 Broad and Third Sts, Nescopeck, PA, off I-80 Conyngham exit 38 to Rt. 93, north to Nescopeck. Estate of Carrie E. Hetler John Autotore, John Autotore, Jr and Kim Bitler, Auctioneers

MON. AND TUES. SEPT. 5 and 6 9 30 AM Public Auction of Primitives, Small Items, Oak and Misc. Furniture. Located at Troxelville, Antiques, Troxelville, PA, Snyder Co. Co. Joe Herman, Owner. Mark J. Jones and Dale L Longacre, Auctioneers.

MON. SEPT. 5 - 10 AM Public Auction of Farm Machinery, Trucks, Tools and Farm Related Items. Located at the auction barn in American Corner, MD on Hwy. 621 between Federalsburg and Denton, MD. A Curtis Andrew Auction Inc

TUES. SEPT 6 8 PM Cattle Sale to be held at Smoketown Quality Dairy Sales Co, located 5 miles East of Lancaster, 5 miles West of Intercourse, Pa. Rt. 340. Sale managed by Gordon and Helen Fritz

TUES. SEPT 6 - 6 30 PM Public Auction of Farm Machinery Located in Centre Co., ¼ mi east of Rebersburg, PA on Rt 192, 1st lane on left John LeFever, Owner. Mark Glick, Auctioneer

THURS. SEPT 8 - 11 AM Hillhaven Farm Sale of 90 Reg. Holstein Cows located at the farm on Rt. 448 just north of Kennedyville, Kent Co., MD turn north off Rt 213 in Kennedyville and watch for signs. George and Lillian McDanolds, owners. Remsburg Sale Service.

THURS. SEPT 8 - 2 PM Public Sale of Real Estate located 2 mi. north of Myerstown on Kutztown Rd, Jackson Twp., Lebanon Co., PA. John Z. and Ella N Martin, owners. Arthur Copenhaver, auctioneer.

FRI. SEPT. 9 - 9 AM Public Fall Community Auction. Located at Penns Valley Livestock Auction, Centre Hall, PA. Ron Gilligan, Auctioneer

FRI. SEPT 9 - 5 30 PM Gap Auction. Antiques and Household Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

FRI. SEPT. 9 - 7 PM Public Auction of Farmette. Located along Pricetown Rd. between Dryville and Lyons, Rockland Twp., Berks Co., PA. Luke and Ellen Martin, Owners. Horning Farm Agency, Auctioneers.

SAT. SEPT. 10 - 9.30 AM Public Auction of Farm Machinery, JD Tractors, Antiques, Guns, Tools and Household Goods located at 91 W. White Oak Road off Rt. 896 between Strasburg and Georgetown, Lanc. Co., PA. Mr. & Mrs. Walter Rohrer, owners. Ron Funk Auction and Gordon Ressler, auctioneers 717-687-7402.

STONEHURST FARM

STRASBURG, PA. --- DON WELK - HAROLD WELK

HOLSTEIN PROMOTION SALE

New Holland Sales Stables

AUG. 26, 1983
7:00 P.M.

CIRCLE YOUR CALENDAR

SPECIAL NOTE

WE'RE SELLING
A 4 yr. old
Brown Croft
Jetson
Just Fresh

The Following Will Be Consigned By Our Farm

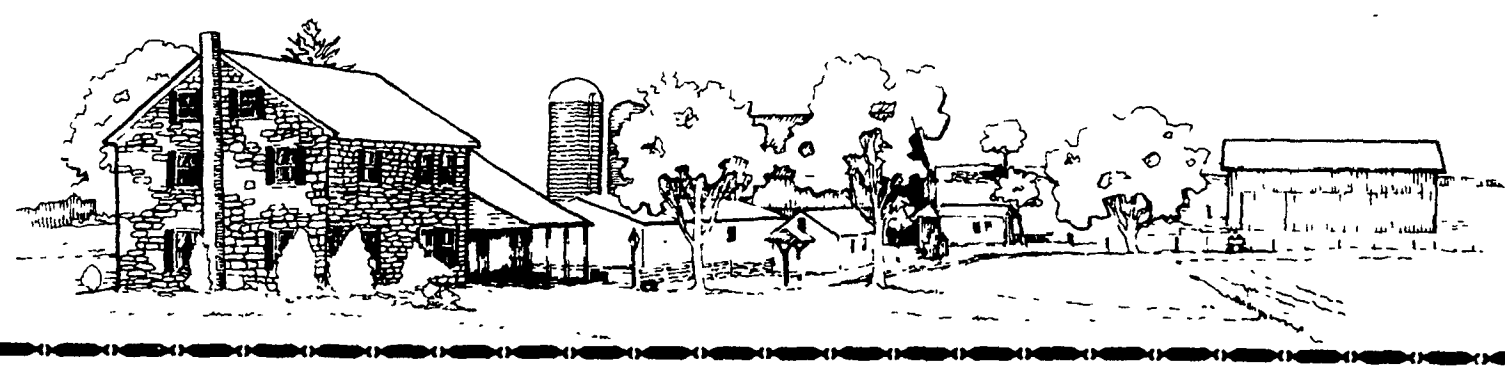
- 2 yr. old S-W-D Valiant
  Due 9-11-83 to Jason
- 2 yr. old Creek Bluff Elevation Lester
  Due Early Sept.
- 2 yr. old Poverty Hollow Milestone
  Due Sept 25th
  Dam Has over 22,000.
- 2 yr. old Glen Valley Star
  Due Sept 25th to Triple Threat
  Dam is an Astronaut
- 2 yr. old Char-Sam Elevation Pabst
  Fresh 3 wks before sale
- 4 yr. old Rosemere Fury Ivan
  83 Pts - Fresh 3 wks.
- 1 yr. old Ocean View Sexation
  Dam is A 20,000 Willow
- 2 Red and White Heifers
  Due Sept. - Oct.

BE A PARTNER

WE ARE SELLING SHARES OF THIS GREAT BULL

DAM - 2 Time All American

Call Us For Details!



Public Auction Register

Closing Date - Monday, 5 00 P M
of each week's publication

FRI SEPT 9 - 5.30 PM Public Auction of Tractor, Machinery and Tools Located 4 mi west of Gettysburg, PA on U S Rt 30 G. Wayne and Mabel Heberling, Owners C David Redding, Auctioneer.

SAT. SEPT. 10 - 9 30 AM Public Auction of Real Estate, Household Goods, Collectibles, Guns, Boat, Farm Equipment, Tools and Animals. Located 3 mi southwest of Halifax, PA, RD 2, approx. 2 mi. south on Rt 147 off Rt 225 towards Clarks Ferry Bridge or 4 mi. north of Rt 147 from Clarks Ferry Bridge and ¼ mi west on unpaved road William Dietrich, Owner Edwin E Shoop and David Deibler, Auctioneers

THURS SEPT 15 - Monthly Cow Sale at Mel Kolb, Inc, Maryland Farm, Woodsboro, MD

FRI SEPT 16 - 7 PM Church of the Brethren Disaster Relief Heifer Auction Located at the Lebanon Co Fairgrounds Clair Kreider, Mgr

FRI AND SAT SEPT 16 and 17 - 7th Annual Disaster Relief Auction and Heifer Sale. Located at the Lebanon Area Fairgrounds Church of the Brethren Atlantic Northeast Distrtict Mark and Marty Hershey, Sale Chairman 717-626-5067

FRI SEPT 16 - 5 30 PM Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

FRI SEPT 16 7 30 PM Public Auction of Registered Holstein Heifers Located 2 mi south of Atglen on Old Route 41 Chester Co, PA Benefit West Fallowfield Christian School. Kurtz, Petersheim and Stoltzfus, Auctioneers.

FRI SEPT 16 6 30 PM. Consignment Sale of Feeder Pigs and Feeder Cattle. Held at Keister's Middleburg Auction Sales Inc., Rt 522, 3 mi. east of Middleburg, 5 mi west of Selinsgrove, PA

SAT SEPT 17 10 AM Public Country Auction Located 2 mi south of Atglen on Old Rt 41. Benefit West Fallowfield Christian School Kurtz, Petersheim and Stoltzfus, Auctioneers

SAT SEPT 17 9 30 AM Public Auction of Farm Equipment, Antiques, Collectables and Other Household Furnishings Located in the village of Fearnot, Schuylkill Co, PA, 3 mi west of Sacramento and Rt 25, 18 mi west of Pottsville, 40 mi north of Harrisburg Mr and Mrs. William D Miller, Owner. George and Mike Deibert, Auctioneers

SAT SEPT 17 9 AM Sechrist Sales Co Annual Fall Consignment Tool and Machinery Auction located in Stewartstown, York Co, PA Call 993 6130 or eves 382 4379 by Mon Aug 29 to consign Bob Secarist, mgr

SAT SEPT 20 9 AM Public Auction of Real Estate and Personal Property located south of Selinsgrove, PA on Rt 35 for 9 mi. to intefsection of Rt. 35 and 104 (at blinking light) in Mt. Pleasant Mills Then make a left turn on Rt 104 south and go ¼ mi to sale Estate of Frank Leach. Dale Longacre and Wayne Hoffman, auctioneers

FRI SEPT 23 1 30 PM Public Auction of Cattle Located at Penns Valley Livestock Auction, Centre Hall, PA Ron Gilligan, Auctioneer

FRI SEPT 23 5 30 PM Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

FRI. SEPT 23 7 PM Public Auction of Registered Herd Dispersal Located at New Holland Sales Stables Lloyd H Martin, Owner.

SAT SEPT 24 9 AM Public Auction of Antiques, Collectibles, Oriental Rugs, Station Wagon, Household and Misc Items Located on Center St, Rt 61, Ashland, PA. Walter Steinhilber Estate Dockey, Dockey and Deppen, Auctioneers

SAT. SEP 24 9 AM Public Sale of Garage Eq, New Tires, Parts and Supplies located at 3300 E. Market St., York, PA at the intersection of PA Rt. 24 and Rt. 462 Rishel's Gulf Service, Barney Rishel, owner Bob and Tom Sechrist, auctioneers

SAT SEPT 24 - 11 AM Public Auction of Horses. Located at Keister's Middleburg Auction Sales, Inc., Rt 555, 3 mi. east of Middleburg, PA; 5 mi west of Selinsgrove, PA. Don and Walt Keister, Owners. Ray Long and Dave Imes, Auctioneers.

SAT. SEPT. 24 - 11 AM Public Auction of Real Estate, Truck, Farm and Garden Equipment, Antiques, Tools and Household Goods. Located ¼ mile west of Intercourse in Leacock Twp., Lanc. Co., PA, along Rt 340. Emanuel F. Lapp, Owner Steve Petersheim, Auctionee.

DAIRY CATTLE SALE

THURS., AUG. 25, 1983
7:00 P.M.

Penns Valley Livestock Auction
Centre Hall, Pa.
(At the intersection of Rt. 45 and 144)

REGISTERED AND GRADE HOLSTEINS

* BULLS	* SPRINGERS
* FRESH COWS	* BRED HEIFERS
* DRY COWS	* OPEN HEIFERS

* 10 Canadian Springers
* 6 Springers From Local Farms
* 5 Purebred Springers From McKean Co.
—Plus Many Other Consignments From Local Farms—

Health Charts Furnished
Ron Gilligan, Auctioneer
—Early Consignments Appreciated—

★ ★ NOTICE ★ ★
Next Show and Sale — Sept. 30, 1983
11:00 a.m. - 1:30 p.m.

For Information Call:
(814) 364-9096 (814) 364-1796
Restaurant Open

SPECIAL HOLSTEIN DAIRY CATTLE SALE

TUESDAY, AUGUST 23, 1983
8:00 P.M. D.S.T.

To be held at Smoketown Quality Dairy Sales Co. 5 m. E. of Lancaster, 5 m. W. of Intercourse Rt. 340.

One Load of Top Fancy Reg. and Grade Cows and Heifer's out of New England States. Consigned by Johnny Jr.

Reg. 4 yr. old - Bold Chief - Due Aug. 23 to Stargazer.
2 yr. 285d. 14,120m 4.0% 559F.
Reg. 4 yr. old - Piney Vale Firecracker Daughs. Avg. 17,984m - PDM +1791
Due Aug. 22 to Cascade 305d. 15,605m.
Reg. 3 yr. old - Hillhaven Standout Job. Daughs. Avg. 17,602m - PDM +1147
Fresh 70-75 lbs. DAMS records up to 19,860m.
Reg. 3 yr. old Limestone Standout Strephon Daughs Avg. 18,578m - PDM +1925 Fresh 70 lbs.
Reg. 3 yr. old Bis-May Astro Jupiter Fresh 70 lbs. Daughs Avg. 17,914m PDM +1061. 2 yr. 305d. 16,435m. 3.5t. 575F.
Reg. 3 yr. old - Lloyds Magistrate - Due Aug. 23 to Troy.
Reg. 5 yr. old - Arbar Triune Challange. Fresh 70-75 lbs.
Reg. 3 yr. old - Trudgen Mark Four - Fresh 60 lbs.
Fancy Grade Black Jersey - 2nd calf Fresh 65 lbs.
Fancy Grade 1st calf Red and White Holstein Heifer.
Reg. - Shardale Arlinda Chief Jemmi - Fresh 60 lbs.
DAM V.G. with 16,000m.
Reg. - Marvex - Fresh - DAM - Roy Brook Style Master.
Grade - Sire - Gay Ideal out of V.G. 89 dam over 21,000m. 4.1t 900F. Born 8-7-78 Due 8-22.
1 yr. 11 m. 365d 15,500m 4.0t 618F.
3 yr. 1 m. 280d 16,883m 4.0t 676F.
4 yr. 0 m. 307d 16,312m 4.0t 654F.
Bred to Dunwood Golden Atmos - Daug Avg. 18,377 +1111 PDM.
His DAM - EX - 1100F. Next DAM EX with 1100F.
DAM - 3-10 365d 23,292m 3.7t 871F.
5-10 364d 25,082m 3.8t 951F.

Dairymen if you need milk plan to spend a few hours in Smoketown, Aug. 23.
Cows Milked at Regular Time
Cash or Good Check Night of Sale

Sale by:
GORDEN & HELEN FRITZ
717-393-0930
Carl Diller/Paul Snyder - Auctioneers
Henry Kettering - Pedigrees
Lunch Wagon by Sublette

PUBLIC SALE

OF INDUSTRIAL BUILDINGS & EQUIPMENT
SATURDAY, AUGUST 27, 1983
At 9:30 A.M.

Located approx. 5 miles North of Morgantown, Pa. along Route 10, Robeson Twp., Berks Co., Pa.

BUILDING #1: A 95' x 75' steel building, Galalum roof with fiber aluminum roof coating, concrete flooring with 7" in doorways, 400 amp electric service, oil fired in floor heating, also attached explosive proof paint room; main building door sizes: 12' x 12', 12' x 14', 8' x 10' insulated - also, 3-3' x 7' doors.
BUILDING #2: Office and warehousing 40' x 70' concrete block, asphalt roof, cement floor, electric heat, used as 2 office rooms, showroom and warehouse.
LAND: Approx. 3.85 acres with frontage on Route 10 and also on Chestnut Hill Road. Terrain mostly level to gentle slope; on site water and sewage.

This property is conveniently located South of Reading along Route 10 approx. 4 miles to Pa. Turnpike interchange.
INSPECTION: Anytime by appointment.
TERMS: 10% down day of sale, 60 day final settlement.
MACHINERY & EQUIPMENT: 55 tn Dries & Krump Brake Press - 8' w/4 way die & gooseneck punch, Hurco Auto Back Gauge Syst.- single axis- programable, Wysong Shear-24" Back Gauge-4' sq. arm-new 4 way blades, Bewco-10" High Speed Cut-Off Saw w/stand & coolant pump, Iron Worker w/90 knotcher punch die- 20 tn, Cleveland OBI Punch Press- 75 tn Back Gear - 6" Stroke, Minster OBI Punch Press-35 tn-2" Stroke w/knotching die Nigra 2-sided Punch Press Back Gear-120 tn Bliss OBI Punch Press-60tn Back Gear-3" Stroke, American Can Punch Press-25 tn-2" Stroke, Whitney-10 tn 24" Throat Punch Press-1" Stroke, Whitney Hand Punch-5 tn, Whitney Foot Operated Punch Press-w/air cylinder, Milwaukee Brake Press-25 tn Manual Back Gauge, Walker Turner Drill Press- radial arm w/large table, Craftsman Drill Press-bench, horizontal Milling Machine, Wet Grinder-10" w/cup wheel (Hammond), Engine Lathe-10" x 24" - w/3 jay-steady & follow rest-tool post-face plate-live center mis. tooling-2 yrs. old, Turret Mill-2 hp head-10 speeds- auto feed- 42" table-good heavy, Rockwell Surface Grinder-magnetic chuck, Belt Sander- small, Randsbury Spray Outfit- electric static-power supply hoses & gun head- 1 gal. pressure pot, 2-Miller Matic 200 Portable Welders- w/Tweco H/A mig gusn, 4- Miller Matic 35 Portable Welders- w/Tweco H/A mig guns, 2- Lindi V1206 Single Phase Const. potential power, 2-Miller 200 SCP Single Phase power source w/30E wire feeder, 4- Miller 200 SCP Single Phase power source w/10E wire feeder, Miller 200 SCP w/10 E wire feeder and Tweco 10' mig gun, Bench Grinder- 1 hp-10" x 1"- wide wheels, Bench Grinder- ½ hp- 6" x ¾"- wide wheels, Oyster Pipe Threading Machine- 2" capacity, Yale Forklift- 5,000# capacity- 6 cylinder propane- 100" lift w/fork extensions, yale Forklift- 3,000# capacity - 4 cylinder propane-triple mast w/extensions, Emglo Compressor-80 gal- 3 hp, Acetylene Torch Set- gauges, tanks, welding & cutting; Acetylene Torch set-gauges, tanks, welding & cutting, small; Delta Strapping Unit- portable, Pallet Truck- 4,500# capacity, Clipper Diamond Cut-Off Saw-16", High Pressure Washer- 500 PSI electric, Ford Van E 150- 1976- longbed- 6 cylinder, Lift- 12V DC-1000" capacity, Black & Decker Industrial Vacuum, Black & Decker- 8 gauge nibbler, Chain Hoist-½ ton (Hitachi), Suerett Cut-off Saw-12", Load Star Chain Hoist-½ tn, Miller Sport Weld Attachment, 1981 VW diesel pick-up, many small tools not mentioned.

Terms by:
HYDRO-TEMP, INC.
(215) 856-7565
Elton Horning, AUCTIONEER
(215) 286-0135

LEBANON COUNTY HOLSTEIN CLUB ANNUAL SALE

FRIDAY EVE., AUGUST 26, 1983
7:00 P.M.

To be held at the Lebanon Area Fairgrounds, southeast of Lebanon at the corner of Rocherty and Cornwall Roads. From Pa. Turnpike take Rt. 72 north appx. 5 miles and turn right onto Rocherty Road and continue to Fairgrounds.

SELLING
50 HEAD of REGISTERED HOLSTEINS
3 ID GRADE BRED HEIFERS

Most are heifers due in fall. Several fresh heifers and young cows and a few excellent pedigreed young calves.

Sires Include:
Jet Stream, Very, Sexation, Kingpin, Pabst, Persuader, Oak Star, Creek, Superior, Marvex, Mariner GV Star and Yules Pride Elevation Ace.

SOME OF THE FINE ANIMALS SELLING

Ju-Vindale Star Gloria VG86. She is a Glen Valley Star from an Arlinda Chief daughter which is projected to 16,722. Due after sale to Tony. VINCENT AND JULIET WAGNER - JONESTOWN.

Bell bred heifer from VG89 Persuader who is estimated at 20,120-4.1-615 as a 6 yr. old. Due in November to Chairman. RAY E. BICKSLER - JONESTOWN.

East Star bred heifer due Oct. to an Elevation son. Heifer from VG88 dam with 2 records over 21,000. Also a Jetstream from a 20,000 pound Lucky due sale time. DALE HOSTETTER - ANNVILLE.

Milestone bred heifer due October to Pabst. Her dam is a GP84 Apollo with 6-4 record of 305-23820-3.8-912. BRENDA LENTZ - LEBANON.

Celebrity from a GP84 dam with EX mammary due Oct. to Spirit. ROBERT KULP & SONS - MANHEIM.

Glen Valley Star 2 yr. old due before sale from a Milu dam with 3-3 19,866-3.4-680. Next dam VG87 with 104,000 lifetime. GARY & BARB LENTZ - LEBANON.

2 heifers bred to Tony. One sired by Ace from a GP83 dam with 3-1 362 da. 20,261-4.1-817 and other sired by Superior from a 17,000 pound 2 yr. old dam. HERSHEY BARE - LEBANON.

Cumva Proud Performer heifer from a VG dam with 139,000 lifetime due in October to Fultonway Transformer. DAVID BRANDT - ANNVILLE.

Sexation daughter bred to Bell. Dam is GP83. Granddam has 2 records over 1000 fat. M. JANE BOMGARDNER - ANNVILLE.

Proud daughter due sale time to Tradition. Dam GP and over 18,000 as a 3 yr. old. HARRY H. BACHMAN & ROBERT LENTZ - ANNVILLE & LEBANON.

A Persuader daughter due sale time from 18,000 pound dam. ROBERT LENTZ - LEBANON.

Yule Pride Elevation Ace bred to Spirit and due Oct. Dam is GP84 3 yr. old with 18,000 milk. KIRBY L. HORST - NEWMANSTOWN.

May 83 Chairman daughter from a GP dam. HARVEY E. BOMGARDNER - LEBANON.

Kingpin daughter - will be fresh by sale time. DENNIS SATTAZAHN - WOMELSDORF.

ANIMALS ELIGIBLE FOR INTERSTATE
PREGNANCY EXAMINED
SALE UNDER COVER
FOOD STAND BY JR. HOLSTEIN CLUB

Harry H. Bachman - Auctioneer
717-867-1809
Ringmen:
Mike Weimer - 814-234-0364
Robert Lentz - 717-933-8211
Dale Hoover - Pedigrees
RD 4 Box 805
Lebanon, Pa. 17042
717-867-2489

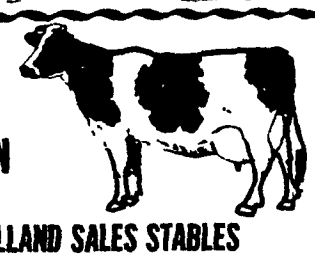
Public Auction Register

Closing Date - Monday, 5 00 P M
of each week's publication

DEALER IN ALL KINDS OF LIVESTOCK
Also Crippled & Down Cattle

MARLIN S. IRWIN
Quarryville, PA
PH: 717-786-3016

SPECIAL HOLSTEIN PROMOTION SALE



NEW HOLLAND SALES STABLES
FRIDAY, AUGUST 26, 1983
At 7 P.M.

150 Head of Select Cows and First Calf Heifers. All fresh or close springing. Selected for good type and production. All cattle will be tested for interstate shipment.

Catalogs night of sale.
Free ice cream.

New Holland Sales Stables Inc.
Abe Diffenbach
Barn phone 354-4341
Norman Kolb
397-5538

SAT SEPT 24 Public Auction of 103 Acre Steer, Pig and Tobacco Farm Located west of 501, ap prox 3 mi south of Myerstown, Leb Co Em ma Martin, Owner G Harvey Welk, Auctioneer

SAT. SEPT 24 1 PM Public Auction of 142 Acre Farm located on the premises located at Rt 4 Lebanon, S Annville Twp, Lebanon Co PA From Rt. 322 turn north onto Rt 934 and proceed 1 9 mi to farm on left or south off Rt 422 in Ann ville at traffic light 1.6 mi to farm on right. Baltazar I and Anna H. Dinulos, owners Harry Bachman, auctioneer

PUBLIC SALE
OF
5 ACRE FARMETTE
FRIDAY, SEPTEMBER 9, 1983
AT 7:00 P.M.

Located along Pricetown Road between Dryville and Lyons, Rockland Twp., Berks County, Pa.

2 story stone and stucco house. 1st Floor: Kitchen, Dining Room, Living Room, Storage room and bath. 2nd Floor: 5 Bedrooms, ½ bath, and storage room. Full basement. Oil hot air heat; also woodstove.

48'x60' stone and frame bank barn w/open stables; 28'x30' block equipment shed; 36'x'38' block equipment shed, 2 story.

NOTE: 3 GREENHOUSES. 24'x96'; 13'x96'; 32x84'; with heaters and all equipment. Established road side market with excellent income. 5 acres of land; more land available for lease.

TERMS: 10% down day of sale, settlement of November 8, 1983. For inspection call HORNING FARM AGENCY, INC., Alvin Horning, Auctioneer at 215-286-5183.

REASON FOR SELLING: Bought Larger Farm

TERMS BY:
LUKE & ELLEN MARTIN
HORNING FARM AGENCY, INC.
Alvin Horning, Auctioneer
Main St., Morgantown, Pa. 19543

TUES SEPT 27 Public Auction of Complete Dairy Herd Dispersal of 50 Head of Holsteins Located at RD 1, Newburg, Cumberland Co, PA David S. Miller, Owner Kling's Auction Service.

FRI SEPT. 30 5.30 PM Gap Auction. Antiques and Household Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers.

OCTOBER

SAT OCT. 1 - 9 AM Public Sale of Farm Machinery, Feed, Livestock, Butchering tools, Household Goods, and Antiques located approx. 2½ mi. west of MD line turning off MD Rt. 45 (Old Trail) at the traffic light onto Freeland Rd. and proceed about 6/10 mi. to Oakland Rd. on the right and following Oakland Rd. which gives way to Keeney Rd. Sale on left. Herbert Bosley, owner. Bob and Tom Sechrist, auctioneers.

SAT. OCT. 1 - 9.30 AM Public Auction of Farm, Antiques, Collectibles, Trains, Household Goods, Farm Equipment, Tools and Cars. Located in Powells Valley, Wayne Twp., RD 2, Halifax, PA, 3½ mi. east of Halifax on the Powells Valley Rd off Rt. 225 and 147, 20 mi. northeast of Harrisburg, PA. Mr. and Mrs. Frank Petrina, Owners Edwin Shoop and David Deibler, Auctioneers.

WED OCT 5 - 12 Noon Show 9 30 Annual Dairy Cow Show and Auction along w/Regular Wed sale Located at the Belleville Livestock Market, Belleville, PA

THURS. OCT. 6 - Monthly Cow Sale at Mel Kolb, Inc Lancaster Farm, 2220 Dairy Road, Lancaster, Pa

THURS OCT 6 - 3 PM New Holland Sale Stables 4-H Steer Sale to be held at Sales Stables, Inc, 12 miles east of Lancaster off Rt 23 at New Holland, Pa Abe Diffenbach, Manager

SAT. OCT. 8 10 AM New Holland Sales Stables Annual Fall Heifer Special to be held at Sales Stables, located 12 miles east of Lancaster off Rt. 23 at New Holland, Pa Abe Diffenbach, Manager.

SAT OCT 8 - 10 AM Public Auction of 500 Grade and Purebred Heifers, all ages, purebreds sell at 12 Noon. Located at New Holland Sales Stables. Special Heifers Sale.

SAT. OCT. 8 - 10.30 AM Public Auction of Farm Machinery and Related Items Located 6 mi south of Richfield off Rt 104. Elwood C. Flowers, Owner Bryan D. Imes, Auctioneer.

SAT. OCT. 15 - 8 AM Public Auction of Construction Equipment, Trucks, Trailers and Etc. Located in Camp Hill, PA Vilsmeier Auction Co., Inc.

TUES. OCT. 18 - 10 AM Public Consignment Auction held at King's Auction, Kirkwood, PA, for advertising and consignment arrangements write to King's Auction, R1 Box 329, Kirkwood PA 17536, or call 717-529-2943 Wednesday from 5 to 6 PM

THURS. OCT 20 - Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

FRI. OCT. 21 - 7 PM Public Auction of State Grade Feeder Calf Located at Penns Valley Livestock Auction, Centre Hall, PA. Ron Gilligan, Auctioneer

FRI OCT 21 6 30 PM Consignment Sale of Feeder Pigs and Feeder Cattle Held at Keister's Middleburg Auction Sales Inc, Rt 522, 3 mi east of Middleburg, 5 mi west of Selinsgrove, PA

WED OCT 26 10 AM New Holland Sales Stables Annual Dairy Show and Sale to be held at Sales Stables, located 12 miles east of Lancaster off Rt. 23 at New Holland, Pa. Abe Diffenbach, Manager.

WED. OCT. 26 - 11 AM Public Auction of 300 Head Cattle. Located at New Holland Sales Stables Annual Cow Show and Sale, show at 9 AM.

FRI. OCT. 28 - 1.30 PM Public Auction of Fall Dairy and Heifer. Located at Penns Valley Livestock Auction, Centre Hall, PA. Ron Gilligan, Auctioneer.

SAT. OCT. 29 - 11 AM Public Auction of Horses. Located at Keister's Middleburg Auction Sales, Inc., Rt. 555, 3 mi. east of Middleburg, PA, 5 mi. west of Selinsgrove, PA Don and Walt Keister, Owners. Ray Long and Dave Imes, Auctioneers.

NOVEMBER

FRI. NOV. 4 - Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

FRI. NOV. 4 - 6 PM Public Auction of Bred Gilts and Boars. Located at the Lebanon Area Fairgrounds, Cornwall and Evergreen Rds., 1½ mile south of Lebanon, PA. Leon and Lawrence Arnold. Harry Bachman Auctioneer

FRI. NOV. 4 - 6 PM Public Auction of Fall Heifers, all sizes of Registered and Grade Located at the Belleville Livestock Market, Belleville, PA.

FRI. NOV 11 - 9 AM Public Auction of Farm Equipment and Supplies to be held at New Holland Sales Stables, Inc., 12 miles east of Lancaster off Rt 23 at New Holland, Pa. Abe Diffenbach, Manager.

MON. NOV. 12 - 3 P M. Hubert Charolais Ranch Production Sale. Located at the ranch, Monument, KS Managed by Garey Cattle Sales, Inc, 100 Walnut Lane, Morrisville, PA 19067.

SAT. NOV. 12 - 1 PM Southeast District 4-H Steer and Lamb Sale to be held at New Holland Sales Stables, Inc., located 12 miles east of Lancaster off Rt. 23 at New Holland, Pa. Abe Diffenbach, Manager.

THURS. NOV. 17 - Monthly Cow Sale at Mel Kolb, Inc, Maryland Farm, Woodsboro, MD

FRI. NOV. 18 - 6.30 PM. Consignment Sale of Feeder Pigs and Feeder Cattle. Held at Keister's Middleburg Auction Sales Inc., Rt. 522, 3 mi east of Middleburg, 5 mi west of Selinsgrove, PA.

FRI. NOV. 25 - 1.30 PM Public Auction of Cattle. Located at Penns Valley Livestock Auction, Centre Hall, PA. Ron Gilligan, Auctioneer.

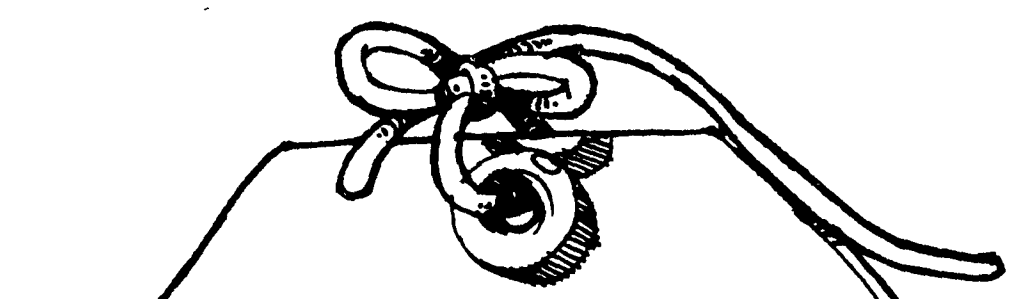
SAT. NOV. 26 - 11 AM Public Auction of Horses. Located at Keister's Middleburg Auction Sales, Inc., Rt. 555, 3 mi. east of Middleburg, PA, 5 mi west of Selinsgrove, PA. Don and Walt Keister, Owners. Ray Long and Dave Imes, Auctioneers.

DECEMBER

FRI. DEC. 2 - Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

APRIL

SAT APR 21, 1984 - 18th Colonial Charolais Spring Sale. Located at Frederick Fairgrounds, Frederick, MD. Colonial Charolais Association Sponsors. Garey Cattle Sales, Inc., 100 Walnut Lane, Morrisville, PA, Managers



DAILY SALES

ON HAND THIS WEEK WE HAVE

- 1st and 2nd calf heifers.
- Fancy Grade Cows
- Select group of Purebreds
- Several good stock bulls.
- Purebred and Grade Heifer Calves.

Quality Holstein Herds For Sale

Registered & Grades - All Sizes

We Will Buy Your Complete Herd. Consign Your Herd Through Our Dairy Barn at The Monthly Sales Sell Your Herd Private For You.

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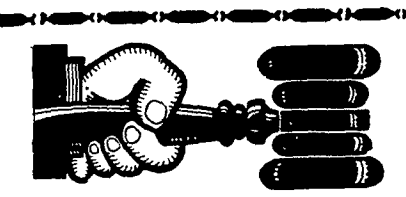
569-6800
Dennis Kolb, Mgr.

MEL KOLB
Res. 717-393-7459

Maryland Farm
Woodsboro, MD
301-898-7720 or
898-7663
Tom Miller, Mgr.

MONTHLY COW SALE AT LANCASTER
1ST THURSDAY, SEPT. 1
At 7:30 P.M.

MONTHLY COW SALE AT MARYLAND
3RD THURSDAY, SEPT. 15
At 7:30 P.M.



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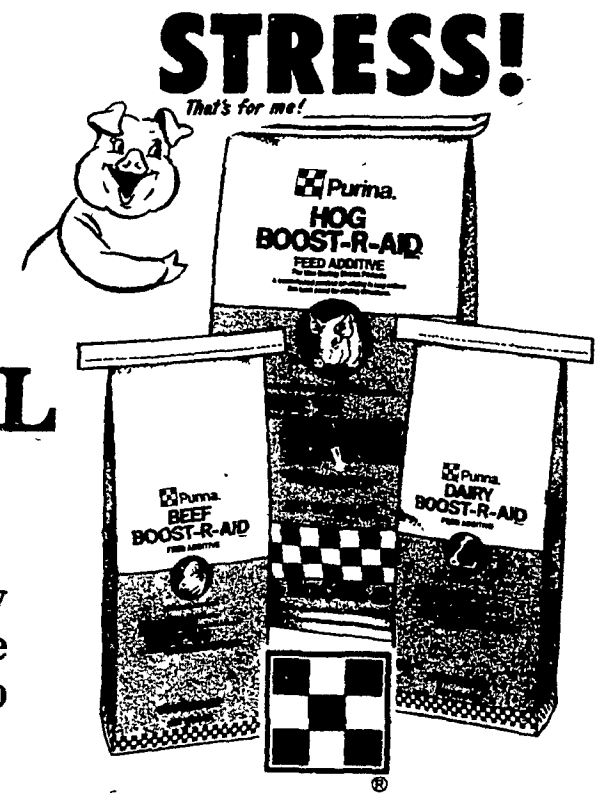
NEW

PURINA BOOST-R-AID VITAMIN, MINERAL PACKS



Stress is defined as the nonspecific response of the body to any demand. Stress is pressure from external sources that disturb the routine body functions of an animal. Animal Stress can be divided into two categories; environmental stress and physiclogial stresses.

Environmental stress would include temperature extremes and variations, rainfall and humidity, how the animal is managed, movement or transit problems, seasonal variation and dust. Other environmental stresses are weaning, animal density in pens, and age of animals.

Physiclogical stress involves immune status, nutritional inadequacies, castration, exposure to virus and bacteria, parasitism, variations in medication, natural resistance and disease injuries.

NEW from PURINA®... three products to fight stress!

Every year, stress costs hogmen, dairymen and cattlemen dollars and performance. Stressed animals don't perform well! Stressed animals are more susceptable to disease! Now Purina introduces Purina Hog Boost-R-Aid, Purina Beef Boost-R-Aid and Purina Dairy Boost-R-Aid, three formulations designed to be mixed with your animal's ration and provide the extra vitamins and/or vitamins/minerals they may miss in periods of stress, because of reduced feed consumption.

Fight stress with Purina® Boost-R-Aid™ feed additives!

Some of these life situations cause stress, and stress can actually rob the body of vitamins. During periods of stress, the body's metabolism accelerates, and as a result, vitamins and other nutrients are used up faster than usual.

Disease and parasites lower the animal's intestional absorption of the essential vitamins. Diseases by themselves, increase the requirements by reducing the dietary intake.

The use of antimicrobial drugs, such as antibiotics, for prevention control or treatment of infectious diseases, or for improved performance in animals, may also raise the requirements of various vitamins. For example, some antibacterial medications, by altering the intestinal microflora, may reduce the bacterial syntheses of certain B-complex vitamins or vitamin K in the intestine.

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